

2010 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

Analysis Type	Collection Date	Analysis Date
VOC	02/02/10	02/05/10
EDB and DBCP	02/02/10	02//09/10
Pesticides	02/02/10	02/10/10
SOC ₅	02/02/10	02/09/10
Haloacetic Acids (HAA5)	02/02/10	02/11/10
Single Metal	02/02/10	02/16/10 (reported)
Minerals	02/02/10	03/04/10 (reported)
Herbicides	02/02/10	02/11/10
Carbamates by HPLC	02/02/10	02/17/10
Trihalomethanes (THM)	02/02/10	02/04/10
VOC	05/19/10	05/21/10
Trihalomethanes (THM)	05/19/10	05/24/10
Haloacetic Acids (HAA5)	05/19/10	06/01/10
Trihalomethanes (THM)	09/08/10	09/16/10
Haloacetic Acids (HAA5)	09/08/10	09/21/10
VOC	09/29/10	10/04/10
Trihalomethanes (THM)	12/09/10	12/13/10
Haloacetic Acids (HAA5)	12/09/10	12/16/10

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 : 02/18/2010
Report ID# : 20100218053149AB20142

Lab Sample ID# : AB20142
Sample Priority : ROUTINE
TCEQ ID#(s) : 1040251

Water Source :
Entry Point(s) : EP001

Date Collected : 02/02/2010 12:48
Date Received : 02/04/2010
Date Analyzed : 02/05/2010

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

Regulated Cmpds.[40 CFR 141.61(a)]	Result	Qualifier	Screened Compounds *	Result	Qualifier
Benzene	<0.5		Dibromochloropropane	<1.0	
Carbon tetrachloride	<0.5		Ethylene dibromide	<1.0	
Monochlorobenzene	<0.5		Monitored Cmpds.[40 CFR 141.40(j)]	Result	Qualifier
o-Dichlorobenzene	<0.5		1,2,4-Trimethylbenzene	<1.0	
para-Dichlorobenzene	<0.5		1,2,3-Trichlorobenzene	<1.0	
1,2-Dichloroethane	<0.5		n-Propylbenzene	<1.0	
1,1-Dichloroethylene	<0.5		n-Butylbenzene	<1.0	
cis-1,2-Dichloroethylene	<0.5		Naphthalene	<1.0	
trans-1,2-Dichloroethylene	<0.5		Hexachlorobutadiene	<1.0	
1,2-Dichloropropane	<0.5		1,3,5-Trimethylbenzene	<1.0	
Dichloromethane	<0.5		4-Isopropyltoluene	<1.0	
Ethylbenzene	<0.5		Isopropylbenzene	<1.0	
Styrene	<0.5		t-Butylbenzene	<1.0	
Tetrachloroethylene	<0.5		s-Butylbenzene	<1.0	
Toluene	<0.5		Trichlorofluoromethane	<2.0	
1,2,4-Trichlorobenzene	<0.5		Dichlorodifluoromethane	<2.0	
1,1,1-Trichloroethane	<0.5		Bromochloromethane	<1.0	
1,1,2-Trichloroethane	<0.5		Other Compounds	Result	Qualifier
Trichloroethylene	<0.5		Acetone	<10	
Vinyl chloride	<0.5		Acrylonitrile	<10	
Xylenes (total)	<0.5		2-Butanone (MEK)	<10	
Monitored Cmpds.[40 CFR 141.40(e)]	Result	Qualifier	Carbon disulfide	<1.0	
Chloroform	1.8		Ethyl methacrylate	<1.0	
Bromodichloromethane	6.3		2-Hexanone	<1.0	
Dibromochloromethane	11		Iodomethane	<2.0	
Bromoform	10		Methyl methacrylate	<1.0	
Dibromomethane	<1.0		4-Methyl-2-pentanone (MIBK)	<2.0	
1,3-Dichlorobenzene	<1.0		Methyl-t-butyl ether (MTBE)	<2.0	
1,1-Dichloropropene	<1.0		Tetrahydrofuran	<5.0	
1,1-Dichloroethane	<1.0		Vinyl acetate	<10	
1,1,2,2-Tetrachloroethane	<1.0		Comments:		
1,3-Dichloropropane	<1.0		* Screened Compounds : Method 524.2 is not an approved method for these compounds.		
Chloromethane	<2.0		Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.		
Bromomethane	<2.0		Authorized by Team Lead GNESBITT on 02/16/2010		
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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EDB and DBCP Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 02/11/2010
Report ID# : 20100211053138AB20160

Lab Sample ID# : AB20160
Sample Priority : ROUTINE
TCEQ ID#(s) : 1007139

Water Source :
Entry Point(s) : EP001

Date Collected : 02/02/2010 12:52
Date Received : 02/04/2010
Date Analyzed : 02/09/2010
Extraction Date : 02/08/2010

Conc. Units : µg/L
Method : 504.1 Rev. 1.1
Analyst : JL
Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Ethylene dibromide	<0.01	
Dibromochloropropane	<0.02	
<u>Non Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
1,2,3-Trichloropropane	<0.05	

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Team Lead TDUNN on 02/10/2010



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Pesticides by Method 508.1 Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 02/16/2010
Report ID# : 20100216090359AB20184

Lab Sample ID# : AB20184	Water Source :	Date Collected : 02/02/2010 13:01	Conc. Units : ug/L
Sample Priority : ROUTINE	Entry Point(s) : EP001	Date Received : 02/04/2010	Method : 508.1 Rev. 2.0
TCEQ ID#(s) : 1007140		Date Analyzed : 02/10/2010	Analyst : FB
		Extraction Date : 02/08/2010	Sample Cond. : Acceptable

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

Comments:

Recovery of Endrin is below QC limits in Laboratory Fortified Blank for Method 508.1 Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Team Lead GNESBITT on 02/12/2010



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Semivolatiles Organic Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 02/16/2010
 Report ID# : 20100216090359AB20184

Lab Sample ID# : AB20184	Water Source :	Date Collected : 02/02/2010 13:01	Conc. Units : µg/L
Sample Priority : ROUTINE	Entry Point(s) : EP001	Date Received : 02/04/2010	Method : EPA 525.2
TCEQ ID#(s) : 1007140		Date Analyzed : 02/09/2010	Analyst : DH
		Extraction Date : 02/08/2010	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		Prometon	<0.20	*
Methoxychlor	<0.1		Propachlor	<0.20	
Pentachlorophenol	<0.04		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	
Acenaphthylene	<0.20				
Aldrin	<0.20		Comments:		
Anthracene	<0.20		* This analyte has known instability and/or method performance issues and quantitation should be considered approximate.		
Benzo(a)anthracene	<0.20		Recovery of Endrin is below QC limits in Laboratory Fortified Blank for Method 508.1 Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.		
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				

Authorized by Team Lead GNESBITT on 02/12/2010



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Haloacetic Acids Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 02/16/2010
Report ID# : 20100216090359AB20138

Lab Sample ID# : AB20138	Water Source :	Date Collected : 02/02/2010 13:34	Conc. Units : µg/L
Sample Priority : ROUTINE	Dist. Location : CR 436 FOLEYS	Date Received : 02/04/2010	Method : 552.2 Rev 1.0
TCEQ ID#(s) : 1007131		Date Analyzed : 02/11/2010	Analyst : RD
		Extraction Date : 02/08/2010	Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	6.0	
Trichloroacetic acid	2.0	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	14.1	
Total HAA5	22.1	
<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	10.8	
Dalapon	<1.0	

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Team Lead TDUNN on 02/12/2010



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*SINGLE METAL Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 02/16/2010
Report ID# : 20100216090359AB20102

Lab Sample ID# : AB20102
Sample Priority : ROUTINE
TCEQ ID#(s) : 1007136

Water Source :
Entry Point(s) : EP001

Date Collected : 02/02/2010 12:24
Date Received : 02/04/2010

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	02/04/2010	EB
pH Check	Completed		EPA 200.2	02/05/2010	IU
Turbidity Screen	Completed		SM 2130B	02/05/2010	IU
Visible Particles	Completed			02/05/2010	IU
Sodium	55.9	mg/L	EPA 200.7	02/10/2010	JK

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Team Lead EBOYER on 02/12/2010



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*ALL MINERALS Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 03/04/2010

Report ID# : 20100304084511AB20091

Lab Sample ID# : AB20091
Sample Priority : ROUTINE
TCEQ ID#(s) : 1007137

Water Source :
Entry Point(s) : EP001

Date Collected : 02/02/2010 12:23
Date Received : 02/04/2010

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
pH	6.4	pH	SM 4500-H B	02/04/2010 11:00	MD
Diluted Conductance	770	µmho/cm	SM 2510 B	02/26/2010 14:10	LA
Phenolphthalein Alkalinity as CaCO3	<1	mg/L	SM 2320B	02/08/2010 09:00	MD
Total Alkalinity as CaCO3	69	mg/L	SM 2320B	02/08/2010 09:00	MD
Bicarbonate	84	mg/L	SM 2320B	02/08/2010 09:00	MD
Carbonate	<1	mg/L	SM 2320B	02/08/2010 09:00	MD
Fluoride	0.17	mg/L	EPA 300.0	12/23/2010 03:14	BF
Chloride	121	mg/L	EPA 300.0	02/26/2010 16:22	BF
Sulfate	96	mg/L	EPA 300.0	02/26/2010 16:22	BF
Total Dissolved Solids	419	mg/L	SM 2540C	02/04/2010 14:00	AO
Nitrate as N	0.10	mg/L	EPA 353.2	02/05/2010 12:50	JO

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Team Lead LARCHER on 03/04/2010



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Herbicides in Drinking Water Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 02/23/2010

Report ID# : 20100223053149AB20165

Lab Sample ID# : AB20165
Sample Priority : ROUTINE
TCEQ ID#(s) : 1007141

Water Source :
Entry Point(s) : EP001

Date Collected : 02/02/2010 12:57
Date Received : 02/04/2010
Date Analyzed : 02/11/2010
Extraction Date : 02/08/2010

Conc. Units : µg/L
Method : 515.4 Rev. 1.0
Analyst : CS
Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
2,4-D	<0.1	
2,4,5-TP (Silvex)	<0.2	
Pentachlorophenol	<0.04	
Dalapon	<1	
Dinoseb	<0.2	
Picloram	<0.1	
<u>Non Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Acifluorfen	<1.0	
Bentazon	<2.0	
Chloramben	<1.0	
2,4-DB	<2.0	
Dicamba	<1.0	
3,5-Dichlorobenzoic acid	<1.0	
Dichlorprop	<2.0	
Quinclorac	<1.0	
2,4,5-T	<0.5	

Comments:

Recovery of Pentachlorophenol was below QC limits in the Laboratory Fortified Blank. Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Team Lead TDUNN on 02/19/2010



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Carbamates by HPLC Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 02/23/2010
Report ID# : 20100223053149AB20171

Lab Sample ID# : AB20171
Sample Priority : ROUTINE
TCEQ ID#(s) : 1007142

Water Source :
Entry Point(s) : EP001

Date Collected : 02/02/2010 12:55
Date Received : 02/04/2010
Date Analyzed : 02/17/2010

Conc. Units : µg/L
Method : EPA Method 531.1
Analyst : LZ
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Aldicarb	<0.5	
Aldicarb sulfone	<0.8	
Aldicarb Sulfoxide	<0.5	
Carbofuran	<0.9	
Oxamyl	<2.0	
Monitored Compounds	Result	Qualifier
Baygon	<2.0	
Carbaryl	<2.0	
3-Hydroxycarbofuran	<2.0	
Methiocarb	<4.0	
Methomyl	<2.0	

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Analyst HHAJIPOUR on 02/18/2010



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Trihalomethanes Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 02/23/2010

Report ID# : 20100223053149AB20120

Lab Sample ID# : AB20120
Sample Priority : ROUTINE
TCEQ ID#(s) : 1007132

Water Source :
Dist. Location : CR 436 FOLEYS

Date Collected : 02/02/2010 13:37
Date Received : 02/04/2010
Date Analyzed : 02/04/2010

Conc. Units : µg/L
Method : EPA 502.2
Analyst : JO
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	2.7	
Bromodichloromethane	11.3	
Dibromochloromethane	27.8	
Bromoform	38.1	
Total THM	79.9	

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Analyst HHAJIPOUR on 02/22/2010



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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 : 05/27/2010
 Report ID# : 20100527053217AB28202

Lab Sample ID# : AB28202	Water Source :	Date Collected : 05/19/2010 14:16	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : EP001	Date Received : 05/21/2010	Method : EPA 524.2
TCEQ ID#(s) : 1040284		Date Analyzed : 05/21/2010	Analyst : MK
			Sample Cond. : Acceptable

Regulated Cmpds.[40 CFR 141.61(a)]	Result	Qualifier	Screened Compounds *	Result	Qualifier
Benzene	<0.5		Dibromochloropropane	<1.0	
Carbon tetrachloride	<0.5		Ethylene dibromide	<1.0	
Monochlorobenzene	<0.5		Monitored Cmpds.[40 CFR 141.40(j)]	Result	Qualifier
o-Dichlorobenzene	<0.5		1,2,4-Trimethylbenzene	<1.0	
para-Dichlorobenzene	<0.5		1,2,3-Trichlorobenzene	<1.0	
1,2-Dichloroethane	<0.5		n-Propylbenzene	<1.0	
1,1-Dichloroethylene	<0.5		n-Butylbenzene	<1.0	
cis-1,2-Dichloroethylene	<0.5		Naphthalene	<1.0	
trans-1,2-Dichloroethylene	<0.5		Hexachlorobutadiene	<1.0	
1,2-Dichloropropane	<0.5		1,3,5-Trimethylbenzene	<1.0	
Dichloromethane	<0.5		4-Isopropyltoluene	<1.0	
Ethylbenzene	<0.5		Isopropylbenzene	<1.0	
Styrene	<0.5		t-Butylbenzene	<1.0	
Tetrachloroethylene	<0.5		s-Butylbenzene	<1.0	
Toluene	<0.5		Trichlorofluoromethane	<2.0	
1,2,4-Trichlorobenzene	<0.5		Dichlorodifluoromethane	<2.0	
1,1,1-Trichloroethane	<0.5		Bromochloromethane	<1.0	
1,1,2-Trichloroethane	<0.5		Other Compounds	Result	Qualifier
Trichloroethylene	<0.5		Acetone	<10	
Vinyl chloride	<0.5		Acrylonitrile	<10	
Xylenes (total)	<0.5		2-Butanone (MEK)	<10	
Monitored Cmpds.[40 CFR 141.40(e)]	Result	Qualifier	Carbon disulfide	<1.0	
Chloroform	4.6		Ethyl methacrylate	<1.0	
Bromodichloromethane	11		2-Hexanone	<1.0	
Dibromochloromethane	13		Iodomethane	<2.0	
Bromoform	8.1		Methyl methacrylate	<1.0	
Dibromomethane	<1.0		4-Methyl-2-pentanone (MIBK)	<2.0	
1,3-Dichlorobenzene	<1.0		Methyl-t-butyl ether (MTBE)	<2.0	
1,1-Dichloropropene	<1.0		Tetrahydrofuran	<5.0	
1,1-Dichloroethane	<1.0		Vinyl acetate	<10	
1,1,2,2-Tetrachloroethane	<1.0		Comments:		
1,3-Dichloropropane	<1.0		* Screened Compounds : Method 524.2 is not an approved		
Chloromethane	<2.0		method for these compounds.		
Bromomethane	<2.0		Unless otherwise noted, the test results on this report relate		
1,2,3-Trichloropropane	<1.0		only to the sample identified on this report and meets all		
1,1,1,2-Tetrachloroethane	<1.0		NELAC requirements.		
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				

Authorized by Team Lead GNESBITT on 05/26/2010



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

Trihalomethanes Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 06/08/2010

Report ID# : 20100608095306AB28183

Lab Sample ID# : AB28183
Sample Priority : NORMAL
TCEQ ID#(s) : 1007135

Water Source :
Dist. Location : CR 436 FOLEYS

Date Collected : 05/19/2010 14:51
Date Received : 05/21/2010
Date Analyzed : 05/24/2010

Conc. Units : µg/L
Method : EPA 502.2
Analyst : LZ
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	5.2	
Bromodichloromethane	12.2	
Dibromochloromethane	16.1	
Bromoform	11.4	
Total THM	44.9	

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Analyst HHAJPOUR on 06/04/2010



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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 : 06/08/2010
Report ID# : 20100608095306AB28194

Lab Sample ID# : AB28194	Water Source :	Date Collected : 05/19/2010 14:48	Conc. Units : µg/L
Sample Priority : NORMAL	Dist. Location : CR 436 FOLEYS	Date Received : 05/21/2010	Method : 552.2 Rev 1.0
TCEQ ID#(s) : 1007129		Date Analyzed : 06/01/2010	Analyst : FB
		Extraction Date : 05/24/2010	Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	
Dichloroacetic acid	11.0	
Trichloroacetic acid	2.1	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	14.6	
Total HAA5	27.7	
Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	16.1	
Dalapon	<1.0	

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

LCRA Environmental Laboratory Services

Date: 24-Sep-10

CLIENT: Upper Leon River MWD
 Lab ID: 1009402-003
 Project: WS 0470015
 Matrix: DRINKING WATER

Client Sample ID: DBP1-01
 CR 436 FOLEYS
 Collection Date: 9/8/2010 11:54:00 AM
 TCEQ Sample ID: 1007134

Analyses	Result	Qual	MCL	MDL	PQL	Units	DF	BatchID	Date Analyzed
VOLATILES BY GCMS				E524.2					Analyst: SM
Chloroform	5.2	A		1.0	1.0	µg/L	1	76413	9/16/2010 4:20:00 AM
Bromodichloromethane	17.9	A		1.0	1.0	µg/L	1	76413	9/16/2010 4:20:00 AM
Dibromochloromethane	26.8	A		1.0	1.0	µg/L	1	76413	9/16/2010 4:20:00 AM
Bromoform	15.9	A		1.0	1.0	µg/L	1	76413	9/16/2010 4:20:00 AM
Total Trihalomethanes	65.8		80	1.0	1.0	µg/L	1	76413	9/16/2010 4:20:00 AM

LCRA Environmental Laboratory Services

Date: 24-Sep-10

CLIENT: Upper Leon River MWD
 Lab ID: 1009402-004
 Project: WS 0470015
 Matrix: DRINKING WATER

Client Sample ID: DBP1-01
 CR 436 FOLEYS
 Collection Date: 9/8/2010 11:55:00 AM
 TCEQ Sample ID: 1007130

Analyses	Result	Qual	MCL	MDL	PQL	Units	DF	BatchID	Date Analyzed
METHYL DERIVATIVES-HALOACETIC ACIDS				E552.2		(E552.2)			Analyst: MS
Monochloroacetic Acid	< 2.0	A		2.0	2.0	µg/L	1	76497	9/21/2010 3:42:00 AM
Dichloroacetic acid	10.6	A		1.0	1.0	µg/L	1	76497	9/21/2010 3:42:00 AM
Trichloroacetic acid	2.2	A		1.0	1.0	µg/L	1	76497	9/21/2010 3:42:00 AM
Monobromoacetic Acid	1.9	A		1.0	1.0	µg/L	1	76497	9/21/2010 3:42:00 AM
Dibromoacetic acid	18.6	A		1.0	1.0	µg/L	1	76497	9/21/2010 3:42:00 AM
Total Regulated Haloacetic Acids	33.3		60	1.0	1.0	µg/L	1	76497	9/21/2010 3:42:00 AM
Bromochloroacetic acid	16.9	A		1.0	1.0	µg/L	1	76497	9/21/2010 3:42:00 AM

Final Analysis Report

LCRA Environmental Laboratory Services

Date: 08-Oct-10

CLIENT: Upper Leon River MWD
 Lab ID: 1010058-001
 Project: WS 0470015
 Matrix: DRINKING WATER

Client Sample ID: EP001
 UPPER LEON R MWD
 Collection Date: 9/29/2010 9:26:00 AM
 TCEQ Sample ID: 1092436

Analyses	Result	Qual	MCL	MDL	PQL	Units	DF	BatchID	Date Analyzed
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VOLATILES BY GCMS

E524.2

Analyst: BC

REGULATED COMPOUNDS [40 CFR §141.61(A) - 7/1/1999]

Benzene	< 0.50		5	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Carbon Tetrachloride	< 0.50		5	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Monochlorobenzene	< 0.50		100	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
o-Dichlorobenzene	< 0.50		600	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
para-Dichlorobenzene	< 0.50		75	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,2-Dichloroethane	< 0.50		5	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,1-Dichloroethylene	< 0.50		7	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
cis-1,2-Dichloroethylene	< 0.50		70	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
trans-1,2-Dichloroethylene	< 0.50		100	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,2-Dichloropropane	< 0.50		5	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Ethylbenzene	< 0.50		700	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Dichloromethane	< 0.50		5	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Styrene	< 0.50		100	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Tetrachloroethylene	< 0.50		5	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Toluene	< 0.50		1000	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,2,4-Trichlorobenzene	< 0.50		70	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,1,1-Trichloroethane	< 0.50		200	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,1,2-Trichloroethane	< 0.50		5	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Trichloroethylene	< 0.50		5	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Vinyl chloride	< 0.50		2	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
m,p-Xylene	< 0.50			0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
o-Xylene	< 0.50			0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Xylenes, Total	< 0.50		10000	0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM

MONITORED COMPOUNDS [40 CFR §141.40(E) - 7/1/1999]

Chloroform	4.40	A		1.00	1.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Bromodichloromethane	15.63	A		1.00	1.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Dibromochloromethane	22.86	A		1.00	1.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Bromoform	19.82	A		1.00	1.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Dibromomethane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,3-Dichlorobenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,1-Dichloropropene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,1-Dichloroethane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,1,2,2-Tetrachloroethane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,3-Dichloropropane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Chloromethane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Bromomethane	< 1.00	A		1.00	1.00	µg/L	1	76861	10/4/2010 7:17:00 PM
1,2,3-Trichloropropane	< 1.00	A		1.00	1.00	µg/L	1	76861	10/4/2010 7:17:00 PM
1,1,1,2-Tetrachloroethane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Chloroethane	< 1.00	A		1.00	1.00	µg/L	1	76861	10/4/2010 7:17:00 PM

LCRA Environmental Laboratory Services

Date: 08-Oct-10

CLIENT: Upper Leon River MWD
 Lab ID: 1010058-001
 Project: WS 0470015
 Matrix: DRINKING WATER

Client Sample ID: EP001
 UPPER LEON R MWD
 Collection Date: 9/29/2010 9:26:00 AM
 TCEQ Sample ID: 1092436

Analyses	Result	Qual	MCL	MDL	PQL	Units	DF	BatchID	Date Analyzed
VOLATILES BY GCMS			E524.2		Analyst: BC				
<u>MONITORED COMPOUNDS [40 CFR §141.40(E) -7/1/1999]</u>									
2,2-Dichloropropane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
2-Chlorotoluene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
4-Chlorotoluene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Bromobenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
cis-1,3-Dichloropropene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
trans-1,3-Dichloropropene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
<u>MONITORED COMPOUNDS [40 CFR §141.40(J) -7/1/1999]</u>									
1,2,4-Trimethylbenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,2,3-Trichlorobenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
n-Propylbenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Butyl benzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Naphthalene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Hexachlorobutadiene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
1,3,5-Trimethylbenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
4-Isopropyltoluene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Isopropylbenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
tert-Butylbenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
sec-Butylbenzene	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Trichlorofluoromethane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Dichlorodifluoromethane	< 1.00	A		1.00	1.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Bromochloromethane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
<u>OTHER COMPOUNDS</u>									
Acetone	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Acrylonitrile	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM
2-Butanone (MEK)	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Carbon Disulfide	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Ethyl methacrylate	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM
2-Hexanone	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Iodomethane	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Methyl methacrylate	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM
4-Methyl-2-pentanone (MIBK)	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Methyl tert-butyl ether (MTBE)	< 0.50	A		0.50	0.50	µg/L	1	76861	10/4/2010 7:17:00 PM
Tetrahydrofuran	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM
Vinyl Acetate	< 5.00	A		5.00	5.00	µg/L	1	76861	10/4/2010 7:17:00 PM



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Trihalomethanes by GC/MS Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 12/21/2010
Report ID# : 20101221094311AB43487

Lab Sample ID# : AB43487
Sample Priority : NORMAL
TCEQ ID#(s) : 1007133

Water Source :
Dist. Location : CR 436 FOLEYS

Date Collected : 12/09/2010 10:19
Date Received : 12/10/2010
Date Analyzed : 12/13/2010
Conc. Units : µg/L
Method : EPA 524.2
Analyst : JO
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	3.0	
Bromodichloromethane	17.5	
Dibromochloromethane	46.7	
Bromoform	69.5	
Total Trihalomethanes ¹	137	
Screened Compounds	Result	Qualifier
Vinyl chloride ¹	<0.5	

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 NELAC (2003 Standard) requirements.

Authorized by Analyst HHAJIPOUR on 12/20/2010



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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
2250 HIGHWAY 2861
COMANCHE, TX 76442-5619

Date Reported : 12/21/2010
Report ID# : 20101221094311AB43498

Lab Sample ID# : AB43498	Water Source :	Date Collected : 12/09/2010 10:16	Conc. Units : µg/L
Sample Priority : NORMAL	Dist. Location : CR 436 FOLEYS	Date Received : 12/10/2010	Method : 552.2 Rev 1.0
TCEQ ID#(s) : 1007128		Date Analyzed : 12/16/2010	Analyst : JD
		Extraction Date : 12/13/2010	Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	2.7	
Dichloroacetic acid	7.7	
Trichloroacetic acid	1.5	
Monobromoacetic acid	2.2	
Dibromoacetic acid	19.5	
Total HAA5 ¹	33.6	
Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	14.6	
Dalapòn	<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 NELAC (2003 Standard) requirements.

Authorized by Team Lead TDUNN on 12/16/2010