

2008 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
Trihalomethanes (THM)	06/23/08	06/30/08
SOC ₅	06/23/08	07/03/08
Haloacetic Acids (HAA5)	06/23/08	07/04/08
VOC	08/11/08	08/14/08
Minerals	08/11/08	08/13/08



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LABORATORY SERVICES SECTION, MC-1947
CLIA #45D0660644

Trihalomethanes Analysis Report

Submitter Identification Number: 0470015

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

Date Reported : 07/14/2008

Report ID# : 20080714090114AA65710

Lab Sample ID# : AA65710
Sample Priority :
TCEQ ID#(s) : 0808851

Water Source : Surface
Dist. Location : CR 436 FOLEYS

Date Collected : 06/23/2008 12:45
Date Received : 06/30/2008
Date Analyzed : 06/30/2008

Conc. Units : µg/L
Method : EPA 502.2
Analyst : CS

Trihalomethanes	Result	Qualifier
Chloroform	9.0	
Bromodichloromethane	18.2	
Dibromochloromethane	16.2	
Bromoform	9.1	
Total THM	52.5	

Comments:

Approved By : AREN Approval Date: 07/10/2008



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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 : 07/14/2008
 Report ID# : 20080714090114AA66043

Lab Sample ID# : AA66043 Water Source : Surface Date Collected : 06/23/2008 11:55 Conc. Units : µg/L
 Sample Priority : Routine Entry Point(s) : 001 Date Received : 07/01/2008 Method : 525.2
 TCEQ ID#(s) : 0808848 Date Analyzed : 07/03/2008 Analyst : DH
 Extraction Date : 07/02/2008

Regulated Compounds	Result	Qualifier	Monitored Compounds continued	Result	Qualifier
Alachlor	<0.20		Dieldrin	<0.20	
Atrazine	<0.20		Diethylphthalate	<2.0	
Benzo[a]pyrene	<0.20		Dimethylphthalate	<2.0	
alpha-Chlordane	<0.20		Fluorene	<0.20	
gamma-Chlordane	<0.20		2,2',3,3',4,4',6-Heptachlorobiphenyl	<0.51	
trans-Nonachlor	<0.20		2,2',4,4',5,6'-Hexachlorobiphenyl	<0.20	
bis(2-Ethylhexyl)adipate	<2.0		Indeno[1,2,3-cd]pyrene	<0.20	
bis(2-Ethylhexyl)phthalate	<2.0		Metolachlor	<0.20	
Endrin	<0.20		Metribuzin	<0.20	
Heptachlor	<0.20		Naphthalene	<0.20	
Heptachlor epoxide	<0.20		2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.51	
Hexachlorobenzene	<0.20		2,2',3',4,6-Pentachlorobiphenyl	<0.20	
Hexachlorocyclopentadiene	<1.0	*	Phenanthrene	<0.20	
Lindane	<0.20		Prometon	<0.20	*
Methoxychlor	<0.20		Propachlor	<0.20	
Pentachlorophenol	<1.0		Pyrene	<0.20	
Simazine	<0.20		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		
Benzo(a)anthracene	<0.20		performance issues and quantitation should be considered		
Benzo[b]fluoranthene	<0.20		approximate.		
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				

Approved By : GNESBITT Approval Date: 07/10/2008



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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
2250 HIGHWAY 2861
COMANCHE, TX 76442-5619

Date Reported : 07/08/2008

Report ID# : 20080708142638AA65679

Lab Sample ID# : AA65679
Sample Priority :
TCEQ ID#(s) : 0808850

Water Source : Surface
Dist. Location : CR 436 FOLEYS

Date Collected : 06/23/2008 12:42
Date Received : 06/30/2008
Date Analyzed : 07/04/2008
Extraction Date : 07/01/2008

Conc. Units : µg/L
Method : 552.2 Rev 1.0
Analyst : FB

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	
Dichloroacetic acid	15.5	
Trichloroacetic acid	2.1	
Monobromoacetic acid	1.0	
Dibromoacetic acid	13.3	
Total HAA5	31.9	
Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	17.6	
Dalapon	<1.0	

Comments:



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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 : 08/21/2008
 Report ID#: 20080821140033AA71466

Lab Sample ID# : AA71466 Water Source : Surface Date Collected : 08/11/2008 14:16 Conc. Units : µg/L
 Sample Priority : Quarterly Entry Point(s) : 001 Date Received : 08/13/2008 Method : EPA 524.2
 TCEQ ID#(s) : 0808849 Date Analyzed : 08/14/2008 Analyst : MK

Regulated Cmpds.[40 CFR 141.61(a)]	Result	Qualifier	Screened Compounds *	Result	Qualifier
Benzene	<0.5		1,2-Dibromo-3-chloropropane	<1.0	
Carbon tetrachloride	<0.5		1,2-Dibromoethane	<1.0	
Chlorobenzene	<0.5		Monitored Cmpds.[40 CFR 141.40(j)]		
1,2-Dichlorobenzene	<0.5		1,2,4-Trimethylbenzene	<1.0	
1,4-Dichlorobenzene	<0.5		1,2,3-Trichlorobenzene	<1.0	
1,2-Dichloroethane	<0.5		n-Propylbenzene	<1.0	
1,1-Dichloroethene	<0.5		n-Butylbenzene	<1.0	
cis-1,2-Dichloroethene	<0.5		Naphthalene	<1.0	
trans-1,2-Dichloroethene	<0.5		Hexachlorobutadiene	<1.0	
1,2-Dichloropropane	<0.5		1,3,5-Trimethylbenzene	<1.0	
Methylene chloride (DCM)	<0.5		4-Isopropyltoluene	<1.0	
Ethylbenzene	<0.5		Isopropylbenzene	<1.0	
Styrene	<0.5		t-Butylbenzene	<1.0	
Tetrachloroethene	<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		
Trichloroethene	<0.5		Acetone	<10	
Vinyl chloride	<0.5		Acrylonitrile	<10	
m&p-Xylene	<1.0		2-Butanone (MEK)	<10	
o-Xylene	<0.5		Carbon disulfide	<1.0	
Monitored Cmpds.[40 CFR 141.40(e)]			Ethyl methacrylate	<1.0	
Chloroform	4.9		2-Hexanone	<1.0	
Bromodichloromethane	12		Iodomethane	<2.0	
Dibromochloromethane	12		Methyl methacrylate	<1.0	
Bromoform	6.6		4-Methyl-2-pentanone (MIBK)	<2.0	
Dibromomethane	<1.0		Methyl-t-butyl ether (MTBE)	<2.0	
1,3-Dichlorobenzene	<1.0		Tetrahydrofuran	<5.0	
1,1-Dichloropropene	<1.0		Vinyl acetate	<10	
1,1-Dichloroethane	<1.0		Comments:		
1,1,2,2-Tetrachloroethane	<1.0		* Screened Compounds : Method 524.2 is not an approved		
1,3-Dichloropropane	<1.0		method for these compounds.		
Chloromethane	3.7				
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				

Approved By : GNESBITT Approval Date: 08/20/2008



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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 : 09/23/2008

Report ID# : 20080923105640AA71449

Lab Sample ID# : AA71449
Sample Priority : Routine
TCEQ ID#(s) : 0808847

Water Source : Surface
Entry Point(s) : 001

Date Collected : 08/11/2008 14:18
Date Received : 08/13/2008

Analyte	Result	Unit	Method	Date Analyzed	Analyst
pH	7.3	S.U.	SM 4500-H B	08/13/2008	AO
Diluted Conductanc	747	µS	SM 2510 B	08/13/2008	AO
Phenolphthalein Alkalinity as CaCO3	<1	mg/L	SM 2320B	08/14/2008	XS
Total Alkalinity as CaCO3	107	mg/L	SM 2320B	08/14/2008	XS
Bicarbonat	131	mg/L	SM 2320B	08/14/2008	XS
Carbonat	<1	mg/L	SM 2320B	08/14/2008	XS
Fluorid	0.11	mg/L	EPA 300.0	08/28/2008	BF
Chlorid	102	mg/L	EPA 300.0	08/28/2008	BF
Sulfat	70	mg/L	EPA 300.0	08/28/2008	BF
Total Dissolved Solids	358	mg/L	SM 2540C	08/14/2008	AO
Nitrate as N	0.12	mg/L	EPA 353.2	08/14/2008	MD

Comments: