



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: 0270120

DOUBLE HORN CREEK WSC
ZOERNER, GLEN
111 FLOWING SPRING TRL
SPICEWOOD, TX 78669-8657

Date Reported : 09/26/2017
Report ID# : 20170926100714AD96213

Lab Sample ID# : AD96213	Water Source :	Date Collected : 09/14/2017 10:47	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : DBP2-01	Date Received : 09/15/2017	Method : 552.2 Rev 1.0
TCEQ ID#(s) : 1752785		Date Analyzed : 09/19/2017	Analyst : CL
		Extraction Date : 09/18/2017	Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	
Dichloroacetic acid	<1.0	
Trichloroacetic acid	<1.0	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	5.0	
Total HAA5 ¹	5.0	
Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	2.2	
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 Team Lead AVINYARD on 09/25/2017



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Trihalomethanes by GC/MS Analysis Report

Submitter Identification Number: 0270120

DOUBLE HORN CREEK WSC
ZOERNER, GLEN
111 FLOWING SPRING TRL
SPICEWOOD, TX 78669-8657

Date Reported : 09/26/2017
Report ID# : 20170926100714AD96213

Lab Sample ID# : AD96213 Water Source :
Sample Priority : NORMAL Entry Point(s) : DBP2-01
TCEQ ID#(s) : 1752785

Date Collected : 09/14/2017 10:47 Conc. Units : µg/L
Date Received : 09/15/2017 Method : EPA 524.2
Date Analyzed : 09/18/2017 Analyst : TW
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	1.1	
Bromodichloromethane	4.9	
Dibromochloromethane	12.2	
Bromoform	12.8	
Total Trihalomethanes ¹	31.0	

Comments:

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Authorized by Team Lead AVINYARD on 09/25/2017



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*NITRATE Analysis Report

Submitter Identification Number: 0270120

DOUBLE HORN CREEK WSC
ZOERNER, GLEN
111 FLOWING SPRING TRL
SPICEWOOD, TX 78669-8657

Date Reported : 09/26/2017
Report ID# : 20170926100714AD96123

Lab Sample ID# : AD96123
Sample Priority : NORMAL
TCEQ ID#(s) : 1734213

Water Source :
Entry Point(s) : EP001

Date Collected : 09/14/2017 10:29
Date Received : 09/15/2017

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Nitrate as N ¹	0.57	mg/L	EPA 353.2	09/15/2017 14:25	HN

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 09/25/2017



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Volatile Organic Compounds by GC/MS Analysis Report

Submitter Identification Number: 0270120

DOUBLE HORN CREEK WSC
 ZOERNER, GLEN
 111 FLOWING SPRING TRL
 SPICEWOOD, TX 78669-8657

Date Reported : 09/28/2017
 Report ID# : 20170928095753AD96279

Lab Sample ID# : AD96279 Water Source : Date Collected : 09/14/2017 10:27 Conc. Units : µg/L
 Sample Priority : NORMAL Entry Point(s) : EP001 Date Received : 09/15/2017 Method : EPA 524.2
 TCEQ ID#(s) : 1706785 Date Analyzed : 09/19/2017 Analyst : LZ
 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	<1.0		Methyl methacrylate	<1.0	
Bromodichloromethane	2.9		4-Methyl-2-pentanone (MIBK)	<2.0	
Dibromochloromethane	7.5		Methyl-t-butyl ether (MTBE)	<0.5	
Bromoform	7.4		Tetrahydrofuran	<5.0	
Dibromomethane	<1.0		Comments:		
1,3-Dichlorobenzene	<1.0		The test results on this report relate only to the sample		
1,1-Dichloropropene	<1.0		identified on this report. The test results for analytes noted(¹)		
1,1-Dichloroethane	<1.0		meet all TNI (2009 Standard) requirements.		
1,1,2,2-Tetrachloroethane	<1.0		Authorized by Group Manager TDUNN on 09/27/2017		
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				



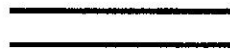
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*SINGLE MINERAL
Analysis Report

Submitter Identification Number: 0270120



DOUBLE HORN CREEK WSC
ZOERNER, GLEN
111 FLOWING SPRING TRL
SPICEWOOD, TX 78669-8657

Date Reported : 10/03/2017
Report ID# : 20171003113556AD96167

Lab Sample ID# : AD96167 Water Source : Date Collected : 09/14/2017 10:29
Sample Priority : NORMAL Entry Point(s) : EP001 Date Received : 09/15/2017
TCEQ ID#(s) : 1727479

Sample Cond. : Acceptable

Table with 7 columns: Analyte, Result, Unit, Method, Date/Time Analyzed, Analyst. Row 1: Total Cyanide 1, < 0.01, mg/L, 10-204-00-1-X, 09/26/2017 13:01, 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 10/02/2017