



Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000
Governor Asa Hutchinson
Nathaniel Smith, MD, MPH, Director and State Health Officer

Engineering Section, Slot 37
www.Healthy.Arkansas.gov/eng/

Ph 501-661-2623

Fax 501-661-2032

After Hours Emergency 501-661-2136

March 10, 2016

Amber Lemley
Little River County RDA
P O Box 527
Forman, AR 71836

Re: Complete Inorganic, Organic, and Radio Chem. Results

Dear Ms. Lemley:

Attached are the results of the water analyses collected from your public water system. The finished water quality is within the allowable limits of the "Primary Drinking Water Standards" of the National Safe Drinking Water Act. The water system is required to keep copies of the analytical reports for treated water a minimum of ten years. Please call me if you have any questions.

Sincerely,

Conway Meacham
Environmental Specialist
Engineering Section

DET: RDA: JEG: cm



Public Health Laboratory - Inorganic Chemistry Unit
 4815 West Markham Street, Little Rock, AR 72205
FINAL REPORT OF SAMPLE ANALYSIS

Print Date: 7/2/2015

ENGR-SDWA Barcode No. 121154

Sample Collected on: 04/07/2015 @ 14:10 by: Philip Ellen

37YE001 Little River Co. R.D.A.

Water Treatment Plant

Public/Community

Entry Point

PHL-SDWA Laboratory No. Y150990044

Sample Received on: 04/09/2015 @ 10:28 By: KMCINTOSH

From: Engineering

ED6

Little River

Compliance

Turbidity

temp:

Chlorine

Fluoride:

pH:

Lab Number: Y150990044

Analytical Results

Page 1 of 1

REG. STATUS	STATUS	ANALYTE	FINAL	UNITS	METHOD	Analysis Date & Time:	Hld (days)	TAT (days)
-------------	--------	---------	-------	-------	--------	-----------------------	------------	------------

Y15099004401	A Comp Gallon	Field Presrv. 4C.N/A						
Secondary		CHLORIDE	13.4	mg/L	300.0	04/17/2015 10:14	10	23
Primary		FLUORIDE	<0.20	mg/L	300.0	04/17/2015 10:14	10	23
Secondary		SULFATE	7.0	mg/L	300.0	04/17/2015 10:14	10	23
Secondary		TOTAL SOLIDS	31	mg/L	2540B	04/13/2015 09:50	6	23
Other		SEDIMENT	<0.5	mL/L	2540F	04/13/2015 09:52	6	23
Other		ALKALINITY	22	mg/L	2320B	04/15/2015 18:45	8	23
Other		PHTH ALKALINITY	0	mg/L	2320B	04/15/2015 18:45	8	23
Secondary		REACTION pH	7.5	pH	2320B	04/15/2015 18:45	8	23
Secondary		ODOR	0	qual	12ED-SM	04/10/2015 09:55	3	23
Test Rejection / Disclaimer HTE		The hold time for the above test expired before the analysis was performed.						
Primary		TURBIDITY	0.15	NTU	ADH190	04/10/2015 15:05	3	23
Test Rejection / Disclaimer HTE		The hold time for the above test expired before the analysis was performed.						
Secondary		COLOR	0	CU	ADH190	04/10/2015 14:55	3	23
Test Rejection / Disclaimer HTE		The hold time for the above test expired before the analysis was performed.						
Y15099004402	A Comp CN	Field Presrv. 4C.NaOH						
Primary		CYANIDE SCREEN	<0.04	mg/L	4500CN-F	04/13/2015 19:36	6	23
Y15099004403	A Comp Quart	Field Presrv. 25C.N/A						
Secondary		SILVER	<1.0	ug/L	200.8	06/11/2015 08:39	65	81
Primary		ARSENIC	<2.0	ug/L	200.8	06/11/2015 08:39	65	81
Primary		BARIUM	16.2	ug/L	200.8	06/11/2015 08:39	65	81
Primary		BERYLLIUM	<0.4	ug/L	200.8	06/11/2015 08:39	65	81
Primary		CADMIUM	<0.5	ug/L	200.8	06/11/2015 08:39	65	81
Primary		CHROMIUM	<1.0	ug/L	200.8	06/11/2015 08:39	65	81
Primary		COPPER	26.5	ug/L	200.8	06/11/2015 08:39	65	81
Secondary		MANGANESE	1.8	ug/L	200.8	06/11/2015 08:39	65	81
Other		NICKEL	<2.0	ug/L	200.8	06/11/2015 08:39	65	81
Primary		LEAD	<1.0	ug/L	200.8	06/11/2015 08:39	65	81
Primary		ANTIMONY	<0.6	ug/L	200.8	06/11/2015 08:39	65	81
Primary		SELENIUM	<5.0	ug/L	200.8	06/11/2015 08:39	65	81
Primary		THALLIUM	<0.2	ug/L	200.8	06/11/2015 08:39	65	81
Primary		URANIUM	<1.0	ug/L	200.8	06/11/2015 08:39	65	81
Other		CARBONATE HARD	18	mg/L	200.7	05/20/2015 17:35	43	41
Other		NONCARBON HARD	<1	mg/L	200.7	05/20/2015 17:35	43	41
Other		TOTAL HARDNESS	18	mg/L	200.7	05/20/2015 17:35	43	41
Secondary		ALUMINIUM	<0.05	mg/L	200.7	04/29/2015 21:13	22	41
Other		CALCIUM	4.76	mg/L	200.7	04/29/2015 21:13	22	41
Secondary		IRON	<0.05	mg/L	200.7	04/29/2015 21:13	22	41
Other		POTASSIUM	1.28	mg/L	200.7	04/29/2015 21:13	22	41
Other		MAGNESIUM	1.56	mg/L	200.7	04/29/2015 21:13	22	41
Other		SODIUM	9.21	mg/L	200.7	04/29/2015 21:13	22	41
Secondary		ZINC	<0.05	mg/L	200.7	04/29/2015 21:13	22	41
Primary		MERCURY	<0.25	ug/L	200.8	05/04/2015 23:59	27	34
Y15099004404	NOX combined	Field Presrv. 4C.H2SO4						
Primary		NITRATE + NITRITE	0.25	mg/L	Easy (1-Reagent)	04/14/2015 15:30	7	14

Released By: Timothy Troup

Released Date:

07/02/2015



Organic Chemistry Laboratory
Arkansas Public Health Laboratory
201 South Monroe
Little Rock AR 72205

Report of Sample Analysis

Collection Report Number: 130348

Program
PHE-SDWA

Bottle ID # 11-823

Date: February 16, 2016

Time: 13:20

By: Lester Bradshaw

Receipt Information

Date: February 18, 2016

Received By: SSMITH

Time: 08:47

Submitted By: Lester Bradshaw

Site Information

Water System: Little River Co. R.D.A.

PWS#: 787

Sampling site: Water Treatment Plant

District: 6

Location Site Code: 787YE001

County: Little River

Sample Description

Profile: EDB Type: EPT Category: PUB Source: Lake Condition: N/A Purpose: CMP

Sample Number: O16049001303

Analytical Method

504.1

"Determination of 1,2-Dibromoethane (EDB), 1,2-Dibromo-3-chloropropane (DBCP), and 1,2,3-Trichloropropane in Water by Microextraction and Gas Chromatography", 1995, U. S. Environmental Protection Agency, National Exposure Research Laboratory, Cincinnati, Ohio 45268 (Revision 1.1)

Analytical Results

Regulated Analytes

DBCP	<0.02	µg/L
EDB	<0.02	µg/L

Sample Result Comments

Sample Comments:

Batch Run#: 26,869

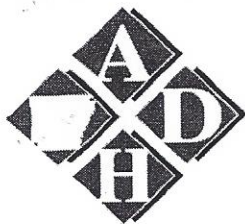
Report Date: 02/29/2016

Extract Date: 2/26/16

Analysis Date: 2/27/16

Mark Parrish, Chemist II

Dorothy Ferguson, Supervisor



Organic Chemistry Laboratory
Arkansas Public Health Laboratory
201 South Monroe
Little Rock AR 72205

Report of Sample Analysis

Program
PHE-SDWA

Bottle ID # 10-305

Collection Report Number: **130348**

Date: February 16, 2016

Time: 13:20

By: Lester Bradshaw

Receipt Information

Date: February 18, 2016

Received By: SSMITH

Time: 08:41

Submitted By: Lester Bradshaw

Site Information

Water System: Little River Co. R.D.A.

PWS#: 787

Sampling site: Water Treatment Plant

District: 6

Location Site Code: 787YE001

County: Little River

Sample Description

Profile: ENDO

Type: EPT

Category: PUB

Source: Lake

Condition: N/A

Purpose: CMP

Sample Number: O16049001304

Analytical Method

548.1

“Determination of Endothall in Drinking Water by Ion-Exchange Extraction, Acidic Methanol Methylation, and Gas Chromatography/Mass Spectrometry“, 1992, U.S. EPA Environmental Monitoring Systems Laboratory, Cincinnati, Ohio 45268 (Revision 1.0)

Analytical Results

Regulated Analytes

Endothall

<9.0

ug/L

Sample Result Comments

Sample Comments:

Batch Run#: 26,824

Report Date: 02/26/2016

Extract Date: 2/22/2016

Analysis Date: 2/24/2016

Louis Poposky, Chemist II

Dorothy Ferguson, Supervisor



Organic Chemistry Laboratory
Arkansas Department of Health
P O Box 8182
Little Rock AR 72203-8182

Report of Sample Analysis

Collection Report Number: 124038

Program
PHE-SDWA

Bottle ID # 01-865

Date: July 06, 2015

Time: 12:05

By: Philip Ellen

Receipt Information

Date: July 09, 2015

Received By: SSMITH

Time: 09:49

Submitted By: Philip Ellen

Site Information

Water System: Little River Co. R.D.A.

PWS#: 787

Sampling site: Water Treatment Plant

District: 6

Location Site Code: 787YE001

County: Little River

Sample Description

Profile: VOCs

Type: EPT

Category: PUB

Source: Lake

Condition: N/A

Purpose: CMP

Sample Number: O15190006501

Analytical Method

524.2

Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectroscopy", 1995, U.S. EPA Environmental Monitoring Systems Laboratory, Cincinnati, Ohio 45268 (Revision 4.1)

Analytical Results

Regulated Analytes

1,1,1-Trichloroethane	<0.50	ug/L
1,1,2-Trichloroethane	<0.50	ug/L
1,1-Dichloroethene	<0.50	ug/L
1,2,4-Trichlorobenzene	<0.50	ug/L
1,2-Dichlorobenzene	<0.50	ug/L
1,2-Dichloroethane	<0.50	ug/L
1,2-Dichloropropane	<0.50	ug/L
1,4-Dichlorobenzene	<0.50	ug/L
Benzene	<0.50	ug/L
Carbon Tetrachloride	<0.50	ug/L
Chlorobenzene	<0.50	ug/L
cis-1,2-Dichloroethene	<0.50	ug/L
Ethylbenzene	<0.50	ug/L
Methylene Chloride	<0.50	ug/L
Styrene	<0.50	ug/L
t-1,2-Dichloroethene	<0.50	ug/L
Tetrachloroethene	<0.50	ug/L
Toluene	<0.50	ug/L
Total Xylenes	<0.50	ug/L
o-chloroethene	<0.50	ug/L
vinyl Chloride	<0.50	ug/L

Sample Number:

015190006501

Unregulated Analytes

1,1,1,2-Tetrachloroethane	<0.50	ug/L
1,1,2,2-Tetrachloroethane	<0.50	ug/L
1,1-Dichloroethane	<0.50	ug/L
1-Dichloropropene	<0.50	ug/L
1,2,3-Trichlorobenzene	<0.50	ug/L
1,2,3-Trichloropropane	<0.50	ug/L
1,2,4-Trimethylbenzene	<0.50	ug/L
1,2-Dibromo-3-chloropropane	<0.50	ug/L
1,2-Dibromoethane	<0.50	ug/L
1,3,5-Trimethylbenzene	<0.50	ug/L
1,3-Dichlorobenzene	<0.50	ug/L
1,3-Dichloropropane	<0.50	ug/L
2,2-Dichloropropane	<0.50	ug/L
2-Chlorotoluene	<0.50	ug/L
4-Chlorotoluene	<0.50	ug/L
Bromobenzene	<0.50	ug/L
Bromochloromethane	<0.50	ug/L
Bromodichloromethane	4.34	ug/L
Bromoform	<0.50	ug/L
Bromomethane	<0.50	ug/L
Chloroethane	<0.50	ug/L
Chloroform	41.0	ug/L
Chloromethane	<0.50	ug/L
cis-1,3-Dichloropropene	<0.50	ug/L
Dibromochloromethane	<0.50	ug/L
Dibromomethane	<0.50	ug/L
Dichlorodifluoromethane	<0.50	ug/L
Hexachlorobutadiene	<0.50	ug/L
Isopropylbenzene	<0.50	ug/L
Methyl tert-Butyl Ether	<0.50	ug/L
Butylbenzene	<0.50	ug/L
n-Propylbenzene	<0.50	ug/L
Naphthalene	<0.50	ug/L
p-Isopropyltoluene	<0.50	ug/L
sec-Butylbenzene	<0.50	ug/L
tert-Butylbenzene	<0.50	ug/L
trans-1,3-Dichloropropene	<0.50	ug/L
Trichlorofluoromethane	<0.50	ug/L

Result is above upper calibration limit.

Sample Result Comments

Sample Comments:

Batch Run#: 25,117

Report Date: 07/14/2015

Extract Date: 07/11/15

Analysis Date: 11 Jul 2015 3:10 am

BJ Jefferson, Chemist II

Dorothy Ferguson, Supervisor



Organic Chemistry Laboratory
Arkansas Public Health Laboratories
201 South Monroe
Little Rock AR 72205

Report of Sample Analysis

Collection Report Number: 130348

Program
PHE-SDWA

Bottle ID # 11-773

Date: February 16, 2016

Time: 13:20

By: Lester Bradshaw

Receipt Information

Date: February 18, 2016

Received By: SSMITH

Time: 08:41

Submitted By: Lester Bradshaw

Site Information

Water System: Little River Co. R.D.A.

PWS#: 787

Sampling site: Water Treatment Plant

District: 6

Location Site Code: 787YE001

County: Little River

Sample Description

Profile: QUAT

Type: EPT

Category: PUB

Source: Lake

Condition: N/A

Purpose: CMP

Sample Number: O16049001308

Analytical Method

549.2

"Determination of Diquat and Paraquat in Drinking Water by Liquid/Solid Extraction and High Performance Liquid Chromatography with Ultraviolet Detection", June 1997, National Exposure Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268 (Revision 1.0)

Analytical Results

Regulated Analytes

Diquat <0.8 ug/L

Unregulated Analytes

Paraquat <0.8 ug/L

Sample Result Comments

Sample Comments:

Batch Run#: 26,804

Report Date: 02/23/2016

Extract Date: 2/19/2016

Analysis Date: 2/22/2016 2:42:38 PM

Travis Gordon Beeson, Chemist II

Dorothy Ferguson, Supervisor



Organic Chemistry Laboratory
Arkansas Public Health Laboratories
201 South Monroe
Little Rock AR 72205

Report of Sample Analysis

Collection Report Number: 130348

Program
PHE-SDWA

Bottle ID # 11-763

Date: February 16, 2016

Time: 13:20

By: Lester Bradshaw

Receipt Information

Date: February 18, 2016

Received By: SSMITH

Time: 08:47

Submitted By: Lester Bradshaw

Site Information

Water System: Little River Co. R.D.A.

PWS#: 787

Sampling site: Water Treatment Plant

District: 6

Location Site Code: 787YE001

County: Little River

Sample Description

Profile: GLY Type: EPT Category: PUB Source: Lake Condition: N/A Purpose: CMP

Sample Number: O16049001305

Analytical Method

547

"Determination of Glyphosate in Drinking Water by Direct Aqueous Injection HPLC Post Column Derivatization, and Fluorescence Detection", July 1990, U.S. EPA Environmental Monitoring Systems Laboratory, Cincinnati, Ohio 45268

Analytical Results

Regulated Analytes

Glyphosate <2.5 ug/L

Sample Result Comments

Sample Comments:

Batch Run#: 26,803

Report Date: 02/23/2016

Extract Date: 2/22/2016

Analysis Date: 2/23/2016 12:50:27 AM

Travis Gordon Beeson, Chemist II

Dorothy Ferguson, Supervisor



ARKANSAS DEPARTMENT OF HEALTH
PUBLIC HEALTH LABORATORIES

201 South Monroe
LITTLE ROCK, AR 72205
PHONE: 501-661-2220
Report of Sample Analysis
Program:SDWA

Collection Report Number:121182

Date: 04/07/2015

Time: 14:10

Receipt Information

Date: April 09, 2015

Received By: PSHEWMAKER

Analyst: PSHEWMAKER

Time: 10:45

Submitted By: Philip Ellen

Site Information

Water System: Little River Co. R.D.A.

PWS#: 787

Sampling site: Water Treatment Plant

District: 6

Location Site Code: 787YE001

County: Little River

Sample Description

Purpose: CMP

Source: Lake

Profile:Alpha Beta

Type: EPT

Category: PUB

Sample Number: R150990014

Test: Gross Alpha +1.65 SIGMA Method: 900.0

Result: < MDA 1.3 pCi/L

05/18/2015 18:30

Test: Gross Beta +1.65 SIGMA Method: 900.0

Result: < MDA 2.7 pCi/L

05/18/2015 18:30

Report Date: 06/03/2015

06/03/2015