



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

Print Date: 3/11/2014

ENGR-SDWA Barcode No. 108710

PHL-SDWA Laboratory No. Y140380002

Sample Collected on: 02/06/2014 @ 12:25 by: Martha West

Sample Received on: 02/07/2014 @ 08:35 By: KMCINTOSH

At 734YE006 Grand Prairie Bayou 2 P.F.B.

ED4

From:

Engineering

WTP# 2 (Hwy 31)

Lonoke

Turbidity

Chlorine

Public/Community

Entry Point

Compliance

temp:

Fluoride:

pH:

Lab Number: Y140380002

Analytical Results

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| REG. STATUS  | STATUS        | ANALYTE                 | FINAL | UNITS | METHOD           | Analysis Date & Time: | Hld (days) | TAT (days) |
|--------------|---------------|-------------------------|-------|-------|------------------|-----------------------|------------|------------|
| Y14038000201 | A Comp Gallon | Field Presrv. 4C, N/A   |       |       |                  |                       |            |            |
| Secondary    |               | CHLORIDE                | 6.3   | mg/L  | 300.0            | 02/11/2014 02:43      | 5          | 12         |
| Primary      |               | FLUORIDE                | <0.20 | mg/L  | 300.0            | 02/11/2014 02:43      | 5          | 12         |
| Secondary    |               | SULFATE                 | <2.0  | mg/L  | 300.0            | 02/11/2014 02:43      | 5          | 12         |
| Secondary    |               | TOTAL SOLIDS            | 108   | mg/L  | 2540B            | 02/11/2014 07:05      | 5          | 4          |
| Other        |               | SEDIMENT                | <0.5  | mL/L  | 2540F            | 02/11/2014 07:07      | 5          | 4          |
| Other        |               | ALKALINITY              | 42    | mg/L  | 2320B            | 02/11/2014 18:21      | 5          | 12         |
| Other        |               | PHTH ALKALINITY         | 0     | mg/L  | 2320B            | 02/11/2014 18:21      | 5          | 12         |
| Secondary    |               | REACTION pH             | 6.8   | pH    | 2320B            | 02/11/2014 18:21      | 5          | 12         |
| Secondary    |               | ODOR                    | 0     | qual  | 12ED-SM          | 02/07/2014 10:30      | 1          | 3          |
| Primary      |               | TURBIDITY               | 0.10  | NTU   | ADH190           | 02/07/2014 10:25      | 1          | 3          |
| Secondary    |               | COLOR                   | 0     | CU    | ADH190           | 02/07/2014 10:20      | 1          | 3          |
| Y14038000202 | A Comp CN     | Field Presrv. 4C, NaOH  |       |       |                  |                       |            |            |
| Primary      |               | CYANIDE SCREEN          | <0.04 | mg/L  | 4500CN-F         | 02/19/2014 17:03      | 13         | 13         |
| Y14038000203 | A Comp Quart  | Field Presrv. 25C, N/A  |       |       |                  |                       |            |            |
| Secondary    |               | SILVER                  | <5.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | ARSENIC                 | <2.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | BARIUM                  | 38.1  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | BERYLLIUM               | <1.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | CADMIUM                 | <1.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | CHROMIUM                | 3.9   | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | COPPER                  | 4.5   | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Secondary    |               | MANGANESE               | <1.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Other        |               | NICKEL                  | <2.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | LEAD                    | <1.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | ANTIMONY                | <1.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | SELENIUM                | <10.0 | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | THALLIUM                | <1.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Primary      |               | URANIUM                 | <1.0  | ug/L  | 200.8            | 02/15/2014 06:05      | 9          | 12         |
| Other        |               | CARBONATE HARD          | 26    | mg/L  | 200.7            | 03/11/2014 18:40      | 33         | 32         |
| Other        |               | NONCARBON HARD          | <1    | mg/L  | 200.7            | 03/11/2014 18:40      | 33         | 32         |
| Other        |               | TOTAL HARDNESS          | 26    | mg/L  | 200.7            | 03/11/2014 18:40      | 33         | 32         |
| Secondary    |               | ALUMINIUM               | <0.05 | mg/L  | 200.7            | 02/26/2014 16:38      | 20         | 32         |
| Other        |               | CALCIUM                 | 6.24  | mg/L  | 200.7            | 02/26/2014 16:38      | 20         | 32         |
| Secondary    |               | IRON                    | <0.05 | mg/L  | 200.7            | 02/26/2014 16:38      | 20         | 32         |
| Other        |               | POTASSIUM               | <1.00 | mg/L  | 200.7            | 02/26/2014 16:38      | 20         | 32         |
| Other        |               | MAGNESIUM               | 2.42  | mg/L  | 200.7            | 02/26/2014 16:38      | 20         | 32         |
| Other        |               | SODIUM                  | 8.38  | mg/L  | 200.7            | 02/26/2014 16:38      | 20         | 32         |
| Secondary    |               | ZINC                    | <0.05 | mg/L  | 200.7            | 02/26/2014 16:38      | 20         | 32         |
| Primary      |               | MERCURY                 | <0.25 | ug/L  | 200.8            | 03/05/2014 21:38      | 27         | 32         |
| Y14038000204 | NOX combined  | Field Presrv. 4C, H2SO4 |       |       |                  |                       |            |            |
| Primary      |               | NITRATE + NITRITE       | 0.20  | mg/L  | Easy (1-Reagent) | 02/20/2014 11:00      | 14         | 26         |

Released By: Timothy Troup

Released Date: 03/11/2014

RECEIVED  
 2014 MAR 18 A 8:39  
 AR DEPT OF HEALTH  
 ENGINEERING SECTION