

Missouri Department of Natural Resources
 Environmental Services Program
 PO Box 176 Jefferson City MO 65102-0176

RESULTS OF SAMPLE ANALYSES

Test Group:
 IOCNO3-CN

Order ID:
 160427229



Report Date:
 6/9/2016

TRIPP, THOMAS J
 WEST PLAINS
 CITY HALL
 1910 HOLIDAY LN
 WEST PLAINS MO 65775

Sample: AC72225		Facility ID: MO4010853				
		Site: WEST PLAINS		County: HOWELL		
Collect Date: 5/17/2016 8:53:00 AM						
Sample Location: WEST PLAINS TREATMENT PLT TP 50399						
Test	Parameter/Method	Result	Units	Qualifier(s)	MCL	SS
200.7 Metals - Direct Analysis	Calcium/EPA 200.7	48.5	mg/L			
200.7 Metals - Direct Analysis	Iron/EPA 200.7	<5.00	µg/L	ND		300
200.7 Metals - Direct Analysis	Magnesium/EPA 200.7	28.3	mg/L			
200.7 Metals - Direct Analysis	Potassium/EPA 200.7	1.86	mg/L			
200.7 Metals - Direct Analysis	Sodium/EPA 200.7	2.21	mg/L			
200.8 Metals - Direct Analysis	Aluminum/EPA 200.8	42.1	µg/L			50-200
200.8 Metals - Direct Analysis	Antimony/EPA 200.8	<1	µg/L	ND	6	
200.8 Metals - Direct Analysis	Arsenic/EPA 200.8	<1	µg/L	ND	10	
200.8 Metals - Direct Analysis	Barium/EPA 200.8	34.4	µg/L		2000	
200.8 Metals - Direct Analysis	Beryllium/EPA 200.8	<1	µg/L	ND	4	
200.8 Metals - Direct Analysis	Cadmium/EPA 200.8	<0.2	µg/L	ND	5	
200.8 Metals - Direct Analysis	Chromium/EPA 200.8	<1	µg/L	ND	100	
200.8 Metals - Direct Analysis	Copper*/EPA 200.8	9.32	µg/L		1300	
200.8 Metals - Direct Analysis	Lead*/EPA 200.8	<1	µg/L	ND	15	
200.8 Metals - Direct Analysis	Manganese/EPA 200.8	<1	µg/L	ND		50
200.8 Metals - Direct Analysis	Mercury/EPA 200.8	<0.2	µg/L	ND	2	
200.8 Metals - Direct Analysis	Nickel/EPA 200.8	<1	µg/L	ND		
200.8 Metals - Direct Analysis	Selenium/EPA 200.8	<5	µg/L	ND	50	
200.8 Metals - Direct Analysis	Silver/EPA 200.8	<1	µg/L	ND		100
200.8 Metals - Direct Analysis	Thallium/EPA 200.8	<1	µg/L	ND	2	
200.8 Metals - Direct Analysis	Zinc/EPA 200.8	32.7	µg/L			5000
Chloride	Chloride/L 10-117-07-1-A	7.75	mg/L			250
Fluoride	Fluoride/L 10-109-12-2-A	<0.1	mg/L	ND	4.0	2.0
Hardness as CaCO3	Hardness as CaCO3/SM 2340-B	238	mg/L			
Nitrate + Nitrite as N	Nitrate + Nitrite as N/L 10-107-04-1-C	1.05	mg/L		10	
pH	pH/EPA 150.1	7.67	pH Units			6.5-8.5
Sulfate	Sulfate/L 10-116-10-2-A	12.0	mg/L			250
Total Alkalinity as CaCO3	Total Alkalinity as CaCO3/L 10-303-31-1-A	262	mg/L	11		
Total Dissolved Solids	Total Dissolved Solids/SM 2540C	243	mg/L			500
Turbidity	Turbidity/EPA 180.1	<1	NTU	ND		

MCL- A Maximum Contaminant Level (MCL) is the legal threshold limit on the amount of a substance that is allowed in drinking water under the Federal Safe Drinking Water Act. MCLs are health based, legally enforceable standards. Drinking water results below the MCLs are considered safe.

*Lead and Copper samples have an Action Level (AL) and not an MCL. The AL levels for Lead and Copper are shown in the MCL column.

SS- Secondary Drinking Water Regulations (secondary standards) are non-enforceable guidelines regulating contaminants that may cause aesthetic effects in drinking water, such as taste, color or odor. It is recommended that water systems comply with secondary standards but water systems are not required to comply.

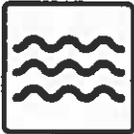
The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency. If you have any questions, please contact Mr. Eric Medlock at (573) 522-5028.



Data Qualifier(s)

11	Estimated value, matrix interference	ND	Not detected at reported value
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Curt Lueckenhoff,
Acting Laboratory Manager
Environmental Services Program
Division of Environmental Quality



Missouri Department of Natural Resources
 Environmental Services Program
 PO Box 176 Jefferson City MO 65102-0176



RESULTS OF SAMPLE ANALYSES

Test Group:
 THM-HAA

Order ID:
 160427087



Report Date:
 6/9/2016

TRIPP, THOMAS J
 WEST PLAINS
 CITY HALL
 1910 HOLIDAY LN
 WEST PLAINS MO 65775

Sample: AC72045

Facility ID: MO4010853



Site: WEST PLAINS

County: HOWELL

Collect Date: 5/9/2016 1:23:00 PM

Sample Location: WAYHAVEN BOOSTR STATION-1813 WAYHAVEN DR DBPDUAL-01

Test	Parameter/Method	Result	Units	Qualifier(s)	MCL	SS
552.2	Bromochloroacetic Acid/552.2	3.92	µg/L	30		
552.2	Bromodichloroacetic Acid/552.2	1.83	µg/L			
552.2	Chlorodibromoacetic Acid/552.2	<1.3	µg/L	ND		
552.2	Dibromoacetic Acid/552.2	<1.3	µg/L	30, ND		
552.2	Dichloroacetic Acid/552.2	5.89	µg/L			
552.2	Monobromoacetic Acid/552.2	<2.7	µg/L	ND		
552.2	Monochloroacetic Acid/552.2	<4.0	µg/L	ND		
552.2	Tribromoacetic Acid/552.2	<1.9	µg/L	ND		
552.2	Trichloroacetic Acid/552.2	2.79	µg/L			
THMs	Bromodichloromethane/524.2	3.67	µg/L			
THMs	Bromoform/524.2	<0.5	µg/L	ND		
THMs	Chloroform/524.2	6.98	µg/L			
THMs	Dibromochloromethane/524.2	2.35	µg/L			
Total HAA5	Total HAA5/552.2	<11.0	µg/L	ND	60	
Total THM	Total THM/524.2	13.0	µg/L		80	

Sample: AC72046

Facility ID: MO4010853



Site: WEST PLAINS

County: HOWELL

Collect Date: 5/9/2016 1:02:00 PM

Sample Location: MUNICIPAL GOLF COURSE - BB HWY DBPDUAL-02

Test	Parameter/Method	Result	Units	Qualifier(s)	MCL	SS
552.2	Bromochloroacetic Acid/552.2	3.42	µg/L	30		
552.2	Bromodichloroacetic Acid/552.2	1.33	µg/L			
552.2	Chlorodibromoacetic Acid/552.2	<1.3	µg/L	ND		
552.2	Dibromoacetic Acid/552.2	<1.3	µg/L	30, ND		
552.2	Dichloroacetic Acid/552.2	7.41	µg/L			
552.2	Monobromoacetic Acid/552.2	<2.7	µg/L	ND		
552.2	Monochloroacetic Acid/552.2	<4.0	µg/L	ND		
552.2	Tribromoacetic Acid/552.2	<1.9	µg/L	ND		
552.2	Trichloroacetic Acid/552.2	2.44	µg/L			
THMs	Bromodichloromethane/524.2	5.67	µg/L			
THMs	Bromoform/524.2	0.96	µg/L	30		
THMs	Chloroform/524.2	15.0	µg/L			
THMs	Dibromochloromethane/524.2	3.50	µg/L			
Total HAA5	Total HAA5/552.2	<11.0	µg/L	ND	60	
Total THM	Total THM/524.2	25.1	µg/L		80	

Sample: AC72047

Facility ID: MO4010853



Site: WEST PLAINS

County: HOWELL

Collect Date: 5/9/2016 1:42:00 PM

Sample Location: TIMBERS BOOSTER STATION - COUNTY RD 6460 DBPDUAL-03

Test	Parameter/Method	Result	Units	Qualifier(s)	MCL	SS
552.2	Bromochloroacetic Acid/552.2	4.07	µg/L	30		
552.2	Bromodichloroacetic Acid/552.2	2.01	µg/L			
552.2	Chlorodibromoacetic Acid/552.2	<1.3	µg/L	ND		
552.2	Dibromoacetic Acid/552.2	<1.3	µg/L	30, ND		
552.2	Dichloroacetic Acid/552.2	6.26	µg/L			
552.2	Monobromoacetic Acid/552.2	<2.7	µg/L	ND		
552.2	Monochloroacetic Acid/552.2	<4.0	µg/L	ND		
552.2	Tribromoacetic Acid/552.2	<1.9	µg/L	ND		
552.2	Trichloroacetic Acid/552.2	3.34	µg/L			
THMs	Bromodichloromethane/524.2	3.68	µg/L			
THMs	Bromoform/524.2	<0.5	µg/L	ND		
THMs	Chloroform/524.2	6.74	µg/L			
THMs	Dibromochloromethane/524.2	2.02	µg/L			
Total HAA5	Total HAA5/552.2	<11.0	µg/L	ND	60	
Total THM	Total THM/524.2	12.4	µg/L		80	

Sample: AC72048

Facility ID: MO4010853



Site: WEST PLAINS

County: HOWELL

Collect Date: 5/9/2016 1:07:00 PM

Sample Location: SUPPLY LINE - 1112 MINNESOTA AVE DBPDUAL-04

Test	Parameter/Method	Result	Units	Qualifier(s)	MCL	SS
552.2	Bromochloroacetic Acid/552.2	3.55	µg/L	30		
552.2	Bromodichloroacetic Acid/552.2	2.20	µg/L			
552.2	Chlorodibromoacetic Acid/552.2	<1.3	µg/L	ND		
552.2	Dibromoacetic Acid/552.2	1.38	µg/L	30		
552.2	Dichloroacetic Acid/552.2	5.66	µg/L			
552.2	Monobromoacetic Acid/552.2	4.12	µg/L			
552.2	Monochloroacetic Acid/552.2	<4.0	µg/L	ND		
552.2	Tribromoacetic Acid/552.2	<1.9	µg/L	ND		
552.2	Trichloroacetic Acid/552.2	2.92	µg/L			
THMs	Bromodichloromethane/524.2	2.89	µg/L			
THMs	Bromoform/524.2	<0.5	µg/L	ND		
THMs	Chloroform/524.2	4.13	µg/L			
THMs	Dibromochloromethane/524.2	1.98	µg/L			
Total HAA5	Total HAA5/552.2	14.1	µg/L	30	60	
Total THM	Total THM/524.2	9.00	µg/L		80	

MCL- A Maximum Contaminant Level (MCL) is the legal threshold limit on the amount of a substance that is allowed in drinking water under the Federal Safe Drinking Water Act. MCLs are health based, legally enforceable standards. Drinking water results below the MCLs are considered safe.

*Lead and Copper samples have an Action Level (AL) and not an MCL. The AL levels for Lead and Copper are shown in the MCL column.

SS- Secondary Drinking Water Regulations (secondary standards) are non-enforceable guidelines regulating contaminants that may cause aesthetic effects in drinking water, such as taste, color or odor. It is recommended that water systems comply with secondary standards but water systems are not required to comply.

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency. If you have any questions, please contact Mr. Eric Medlock at (573) 522-5028.

Data Qualifier(s)

30	Estimated value, QC data biased high	ND	Not detected at reported value
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Curt Lueckenhoff,
Acting Laboratory Manager
Environmental Services Program
Division of Environmental Quality

WEST PLAINS

Public Water System ID Number: MO4010853 2015 Annual Water Quality Report (Consumer Confidence Report)

This report is intended to provide you with important information about your drinking water and the efforts made to provide safe drinking water.

Attention!

Este informe contiene información muy importante. Tradúscalo o pregúntele a alguien que lo entienda bien.

[Translated: This report contains very important information. Translate or ask someone who understands this very well.]

What is the source of my water?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and groundwater wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Our water comes from the following source(s):

Source Name	Type
HOOVER WELL W14	GROUND WATER
CASS AVE W6	GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER
CHERRY ST W5	GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER
JUNCTION 14 W12	GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER
MINNESOTA ST-W9	GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER
OREGON ST W7	GROUND WATER UNDER THE INFLUENCE OF SURFACE WATER
WELL 13 BASSLER WELL	GROUND WATER

Source Water Assessment

The Department of Natural Resources conducted a source water assessment to determine the susceptibility of our water source to potential contaminants. This process involved the establishment of source water area delineations for each well or surface water intake and then a contaminant inventory was performed within those delineated areas to assess potential threats to each source. Assessment maps and summary information sheets are available on the internet at <http://maproom.missouri.edu/swipmaps/pwssid.htm>. To access the maps for your water system you will need the State-assigned identification code, which is printed at the top of this report. The Source Water Inventory Project maps and information sheets provide a foundation upon which a more comprehensive source water protection plan can be developed.

Why are there contaminants in my water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Contaminants that may be present in source water include:

- A. **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- B. **Inorganic contaminants**, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming.
- C. **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- D. **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- E. **Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the Department of Natural Resources prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Department of Health regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Is our water system meeting other rules that govern our operations?

The Missouri Department of Natural Resources regulates our water system and requires us to test our water on a regular basis to ensure its safety. Our system has been assigned the identification number MO4010853 for the purposes of tracking our test results. Last year, we tested for a variety of contaminants. The detectable results of these tests are on the following pages

of this report. Any violations of state requirements or standards will be further explained later in this report.

How might I become actively involved?

If you would like to observe the decision-making process that affect drinking water quality or if you have any further questions about your drinking water report, please call us at 417-256-7176 to inquire about scheduled meetings or contact persons.

Do I need to take any special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Terms and Abbreviations

Population: 12000. This is the equivalent residential population served including non-bill paying customers.

MCLG: Maximum Contaminant Level Goal, or the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MCL: Maximum Contaminant Level, or the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

SMCL: Secondary Maximum Contaminant Level, or the secondary standards that are non-enforceable guidelines for contaminants and may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor or color) in drinking water. EPA recommends these standards but does not require water systems to comply.

AL: Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow..

TT: Treatment Technique, or a required process intended to reduce the level of a contaminant in drinking water.

90th percentile: For lead and Copper testing. 10% of test results are above this level and 90% are below this level.

Range of Results: Shows the lowest and highest levels found during a testing period, if only one sample was taken, then this number equals the Highest Value.

RAA: Running Annual Average, or the average of sample analytical results for samples taken during the previous four calendar quarters.

LRAA: Locational Running Annual Average, or the locational average of sample analytical results for samples taken during the previous four calendar quarters.

TTHM: Total Trihalomethanes (chloroform, bromodichloromethane, dibromochloromethane, and bromoform) as a group.

HAAs: Haloacetic Acids (mono-, di- and tri-chloroacetic acid, and mono- and di-bromoacetic acid) as a group.

ppb: parts per billion or micrograms per liter.

ppm: parts per million or milligrams per liter.

n/a: not applicable.

NTU: Nephelometric Turbidity Unit, used to measure cloudiness in drinking water.

nd: not detectable at testing limits.

WEST PLAINS
Public Water System ID Number: MO4010853
2015 Annual Water Quality Report
(Consumer Confidence Report)

Contaminants Report

WEST PLAINS will provide a printed hard copy of the CCR upon request. To request a copy of this report to be mailed, please call us at [417-256-7176](tel:417-256-7176). The CCR can also be found on the internet at www.dnr.mo.gov/ccr/MO4010853.pdf.

The state has reduced monitoring requirements for certain contaminants to less often than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Records with a sample year more than one year old are still considered representative.

Regulated Contaminants

Regulated Contaminants	Collection Date	Highest Test Result	Range of Sampled Result(s) (low - high)	Unit	MCL	MCLG	Typical Source
BARIUM	5/11/2015	0.0359	0.0359	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
NITRATE-NITRITE	5/11/2015	1.3	1.3	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Disinfection Byproducts	Sample Point	Monitoring Period	Highest LRAA	Range of Sampled Result(s) (low - high)	Unit	MCL	MCLG	Typical Source
(HAA5)	DBPDUAL-01	2015	4	0 - 14.8	ppb	60	0	Byproduct of drinking water disinfection
(HAA5)	DBPDUAL-02	2015	3	0 - 11.9	ppb	60	0	Byproduct of drinking water disinfection
(HAA5)	DBPDUAL-03	2015	7	0 - 15.1	ppb	60	0	Byproduct of drinking water disinfection
(HAA5)	DBPDUAL-04	2015	0	0 - 0	ppb	60	0	Byproduct of drinking water disinfection
TTHM	DBPDUAL-01	2015	12	7.69 - 16.7	ppb	80	0	Byproduct of drinking water disinfection
TTHM	DBPDUAL-02	2015	24	17.8 - 34.7	ppb	80	0	Byproduct of drinking water disinfection
TTHM	DBPDUAL-03	2015	12	5.8 - 21.2	ppb	80	0	Byproduct of drinking water disinfection
TTHM	DBPDUAL-04	2015	8	2.46 - 11.3	ppb	80	0	Byproduct of drinking water disinfection

TOC	Collection Date	Highest Value	Range of Sampled Results	Unit	TT	Typical Source
CARBON, TOTAL	5/6/2015	0.72	0.72	MGL	0	Naturally present in the environment

Lead and Copper	Date	90th Percentile: 90% of your water utility levels were less than	Range of Sampled Results (low - high)	Unit	AL	Sites Over AL	Typical Source
COPPER	2012 - 2014	0.05	0.0021 - 0.127	ppm	1.3	0	Corrosion of household plumbing systems
LEAD	2012 - 2014	2.09	1.23 - 13.8	ppb	15	0	Corrosion of household plumbing systems

Radionuclides	Collection Date	Highest Value	Range of Sampled Result(s)	Unit	MCL	MCLG	Typical Source
GROSS ALPHA PARTICLE ACTIVITY	10/19/2015	4.5	4.5	pCi/l			Erosion of natural deposits

Turbidity						
Turbidity is a measure of cloudiness of water. We monitor turbidity because it is a good indicator of the effectiveness of our filtration system.						
Percentage of samples in compliance with Std	Months Occurred	Violation	Highest Single Measurement	Month Occurred	Sources	
100	12	NO	0.22	3	SOIL RUNOFF	

Microbiological	Result	MCL	MCLG	Typical Source
No Detected Results were Found in the Calendar Year of 2015				

Unregulated Contaminant Monitoring Rule (UCMR)	Collection Date of HV	Highest Value (HV)	Range of Sampled Result(s)	Unit
CHROMIUM, HEX	3/18/2013	0.22	0.19 - 0.22	UG/L
MOLYBDENUM, TOTAL	12/10/2013	7.99	6.07 - 7.99	UG/L
STRONTIUM	9/24/2013	40.6	35.6 - 40.6	UG/L
VANADIUM, TOTAL	9/24/2013	0.26	0 - 0.26	UG/L

Violations and Health Effects Information

During the 2015 calendar year, we had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Type
No Violations Occurred in the Calendar Year of 2015		

WEST PLAINS

Public Water System ID Number: MO4010853
2015 Annual Water Quality Report
(Consumer Confidence Report)

Additional Required Health Effects Language:

Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

Special Lead and Copper Notice:

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. WEST PLAINS is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (800-426-4791) or at <http://water.epa.gov/drink/info/lead/index.cfm>.

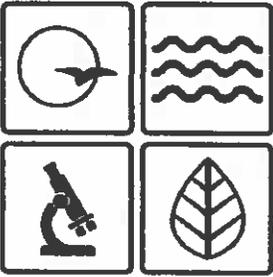
You can also find sample results for all contaminants from both past and present compliance monitoring online at the Missouri DNR Drinking Water Watch website <http://dnr.mo.gov/DWW/indexSearchDNR.isp>. To find Lead and Copper results for your system, type your water system name in the box titled Water System Name and select *Find Water Systems* at the bottom of the page. The new screen will show you the water system name and number, select and click the Water System Number. At the top of the next page, under the *Help* column find, *Other Chemical Results by Analyte*, select and click on it. Scroll down alphabetically to Lead and click the blue Analyte Code (1030). The Lead and Copper locations will be displayed under the heading *Sample Comments*. Scroll to find your location and click on the *Sample No.* for the results. If your house was selected by the water system and you assisted in taking a Lead and Copper sample from your home but cannot find your location in the list, please contact WEST PLAINS for your results.

Optional Monitoring (not required by EPA) Optional Contaminants

Monitoring is not required for optional contaminants.

Secondary Contaminants	Collection Date	Your Water System Highest Sampled Result	Range of Sampled Result(s) (low - high)	Unit	SMCL
ALKALINITY, CaCO3 STABILITY	5/11/2015	275	275	MG/L	
ALKALINITY, TOTAL	10/21/2015	262	198 - 262	MG/L	
ALUMINUM	5/11/2015	0.0306	0.0306	MG/L	0.05
CALCIUM	5/11/2015	57.6	57.6	MG/L	
CHLORIDE	5/11/2015	7.95	7.95	MG/L	250
CHROMIUM, HEX	3/18/2013	0.22	0.19 - 0.22	UG/L	
HARDNESS, CARBONATE	5/11/2015	280	280	MG/L	
MAGNESIUM	5/11/2015	33	33	MG/L	
MOLYBDENUM, TOTAL	12/10/2013	7.99	6.07 - 7.99	UG/L	
PH	5/11/2015	7.42	7.42	PH	8.5
POTASSIUM	5/11/2015	2.13	2.13	MG/L	
SODIUM	5/11/2015	3.43	3.43	MG/L	
STRONTIUM	9/24/2013	40.6	35.6 - 40.6	UG/L	
SULFATE	5/11/2015	10.1	10.1	MG/L	250
TDS	5/11/2015	290	290	MG/L	500
VANADIUM, TOTAL	9/24/2013	0.26	0 - 0.26	UG/L	
ZINC	5/11/2015	0.00731	0.00731	MG/L	5

Secondary standards are non-enforceable guidelines for contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor or color) in drinking water. EPA recommends these standards but does not require water systems to comply.



Missouri Department of Natural Resources
 Environmental Services Program
 PO Box 176 Jefferson City MO 65102-0176
RESULTS OF SAMPLE ANALYSES

Test Group:
 VOC

Order ID:
 160427586



Report Date:
 6/23/2016

TRIPP, THOMAS J
 WEST PLAINS
 CITY HALL
 1910 HOLIDAY LN
 WEST PLAINS MO 65775

Sample: AC72780		Facility ID: MO4010853				
Collect Date: 5/17/2016 8:43:00 AM		Site: WEST PLAINS		County: HOWELL		
Sample Location: WEST PLAINS TREATMENT PLT TP 50399						
Test	Parameter/Method	Result	Units	Qualifier(s)	MCL	SS
524.2	1,1,1,2-Tetrachloroethane/524.2	<0.5	µg/L	ND		
524.2	1,1,1-Trichloroethane/524.2	<0.5	µg/L	ND	200	
524.2	1,1,2,2-Tetrachloroethane/524.2	<0.5	µg/L	ND		
524.2	1,1,2-Trichloroethane/524.2	<0.5	µg/L	ND	5	
524.2	1,1-Dichloroethane/524.2	<0.5	µg/L	ND		
524.2	1,1-Dichloroethene/524.2	<0.5	µg/L	ND	7	
524.2	1,1-Dichloropropene/524.2	<0.5	µg/L	ND		
524.2	1,2,3-Trichlorobenzene/524.2	<1	µg/L	ND		
524.2	1,2,3-Trichloropropane/524.2	<0.5	µg/L	ND		
524.2	1,2,4-Trichlorobenzene/524.2	<0.5	µg/L	ND	70	
524.2	1,2,4-Trimethylbenzene/524.2	<0.5	µg/L	ND		
524.2	1,2-Dibromo-3-Chloropropane/524.2	<0.5	µg/L	ND		
524.2	1,2-Dibromoethane (EDB)/524.2	<0.1	µg/L	ND		
524.2	1,2-Dichlorobenzene/524.2	<0.5	µg/L	ND	600	
524.2	1,2-Dichloroethane/524.2	<0.5	µg/L	ND	5	
524.2	1,2-Dichloropropane/524.2	<0.5	µg/L	ND	5	
524.2	1,3,5-Trimethylbenzene/524.2	<0.5	µg/L	ND		
524.2	1,3-Dichlorobenzene/524.2	<0.5	µg/L	ND		
524.2	1,3-Dichloropropane/524.2	<0.5	µg/L	ND		
524.2	1,4-Dichlorobenzene/524.2	<0.5	µg/L	ND	75	
524.2	2,2-Dichloropropane/524.2	<0.5	µg/L	ND		
524.2	2-Chlorotoluene/524.2	<0.5	µg/L	ND		
524.2	4-Chlorotoluene/524.2	<0.5	µg/L	ND		
524.2	Benzene/524.2	<0.5	µg/L	ND	5	
524.2	Bromobenzene/524.2	<0.5	µg/L	ND		
524.2	Bromochloromethane/524.2	<0.5	µg/L	ND		
524.2	Bromodichloromethane/524.2	4.18	µg/L			
524.2	Bromoform/524.2	<0.5	µg/L	ND		
524.2	Bromomethane/524.2	<2.5	µg/L	ND		
524.2	Carbon Tetrachloride/524.2	<0.5	µg/L	ND	5	
524.2	Chlorobenzene/524.2	<0.5	µg/L	ND	100	
524.2	Chloroethane/524.2	<5	µg/L	ND		
524.2	Chloroform/524.2	7.20	µg/L			
524.2	Chloromethane/524.2	<10	µg/L	ND		
524.2	cis-1,2-Dichloroethene/524.2	<0.5	µg/L	ND	70	

Sample: AC72780

Facility ID: MO4010853



Site: WEST PLAINS

County: HOWELL

Collect Date: 5/17/2016 8:43:00 AM

Sample Location: WEST PLAINS TREATMENT PLT TP 50399

524.2	cis-1,3-Dichloropropene/524.2	<0.5	µg/L	ND	
524.2	Dibromochloromethane/524.2	1.44	µg/L		
524.2	Dibromomethane/524.2	<0.5	µg/L	ND	
524.2	Dichlorodifluoromethane/524.2	<1	µg/L	ND	
524.2	Ethylbenzene/524.2	<0.5	µg/L	ND	700
524.2	Hexachlorobutadiene/524.2	<1	µg/L	ND	
524.2	Isopropylbenzene/524.2	<0.5	µg/L	ND	
524.2	m&p-Xylenes/524.2	<0.5	µg/L	ND	
524.2	Methylene Chloride/524.2	<0.5	µg/L	ND	5
524.2	Methyl-t-butyl ether/524.2	<1	µg/L	ND	
524.2	Naphthalene/524.2	<1	µg/L	ND	
524.2	n-Butylbenzene/524.2	<0.5	µg/L	ND	
524.2	n-Propylbenzene/524.2	<0.5	µg/L	ND	
524.2	o-Xylene/524.2	<0.5	µg/L	ND	
524.2	p-Isopropyltoluene/524.2	<0.5	µg/L	ND	
524.2	sec-Butylbenzene/524.2	<0.5	µg/L	ND	
524.2	Styrene/524.2	<0.5	µg/L	ND	100
524.2	tert-Butylbenzene/524.2	<0.5	µg/L	ND	
524.2	Tetrachloroethene/524.2	<0.5	µg/L	ND	5
524.2	Toluene/524.2	<0.5	µg/L	ND	1000
524.2	Total Xylenes/524.2	<0.5	µg/L	ND	10000
524.2	trans-1,2-Dichloroethene/524.2	<0.5	µg/L	ND	100
524.2	trans-1,3-Dichloropropene/524.2	<0.5	µg/L	ND	
524.2	Trichloroethene/524.2	<0.5	µg/L	ND	5
524.2	Trichlorofluoromethane/524.2	<0.5	µg/L	ND	
524.2	Vinyl Chloride/524.2	<0.5	µg/L	ND	2

MCL- A Maximum Contaminant Level (MCL) is the legal threshold limit on the amount of a substance that is allowed in drinking water under the Federal Safe Drinking Water Act. MCLs are health based, legally enforceable standards. Drinking water results below the MCLs are considered safe.

*Lead and Copper samples have an Action Level (AL) and not an MCL. The AL levels for Lead and Copper are shown in the MCL column.

SS- Secondary Drinking Water Regulations (secondary standards) are non-enforceable guidelines regulating contaminants that may cause aesthetic effects in drinking water, such as taste, color or odor. It is recommended that water systems comply with secondary standards but water systems are not required to comply.

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency. If you have any questions, please contact Mr. Eric Medlock at (573) 522-5028.

Data Qualifier(s)

ND Not detected at reported value

Curt Lueckenhoff,
Acting Laboratory Manager
Environmental Services Program
Division of Environmental Quality