

Consumer Confidence Report

Annual Drinking Water Quality Report

MARSEILLES SOUTH

IL0990110

Annual Water Quality Report for the period of January 1 to December 31, 2025

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

The source of drinking water used by MARSEILLES SOUTH is Ground Water

For more information regarding this report contact:

Name

Brian Trainor

Phone

815-795-4000

Este informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien.

Source of Drinking Water	
The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and 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.	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 EPAs Safe Drinking Water Hotline at (800) 426-4791.
Contaminants that may be present in source water include: - Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. - Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. - Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses. - Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems. - 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, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised 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). 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. The drinking water supplier is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standard Institute accredited certifier

to reduce lead in drinking water. If you are concerned about lead in your water, you may wish to have your water tested, contact brian trainor at 815-795-4000. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

Source Water Information

Source Water Name	Type of Water	Report Status	Location
WELL 6 (01167)	GW	<u>Active</u>	<u>2651 N 2553 Rd</u>

Source Water Assessment

We want our valued customers to be informed about their water quality. If you would like to learn more, please feel welcome to attend any of our regularly scheduled meetings. The source water assessment for our supply has been completed by the Illinois EPA. If you would like a copy of this information, please stop by City Hall or call our water operator at 815-795-4000. To view a summary version of the completed Source Water Assessments, including: Importance of Source Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts, you may access the Illinois EPA website at <http://www.epa.state.il.us/cgi-bin/wp/swap-fact-sheets.pl>.

Source of Water: MARSEILLES SOUTHBased on information obtained in a Well Site Survey conducted in 2003 by the Illinois Rural Water Association for the Illinois EPA, there are no potential sources within 1,500 feet of the well.The Illinois EPA has determined that the Marseilles South Water System Community Water Supply's source water is not susceptible to contamination. This determination is based on a number of criteria including; monitoring conducted at the wells; monitoring conducted at the entry point to the distribution system; and available hydro geologic data on the well.

Lead and Copper

Definitions:

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

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

Copper Range: 30.4ppb to 629bbp

Lead Range: <5bbp to <5ppb

To obtain a copy of the system's lead tap sampling data: marseillesup@cityofmarseilles.com

CIRCLE ONE: Our Community Water Supply has has not developed a service line material inventory.

To obtain a copy of the system's service line inventory: <https://docs.google.com/spreadsheets/d/10Vu2zC6gR3nv794rsOGKyjzm4wB-LAeQ/edit?gid=1834084523#gid=1834084523>

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	09/20/2024	1.3	1.3	0.542	0	ppm	N	Corrosion of household plumbing systems; Errosion of natural deposits.

Water Quality Test Results

Definitions:	The following tables contain scientific terms and measures, some of which may require explanation.
Avg:	Regulatory compliance with some MCLs are based on running annual average of monthly samples.
Level 1 Assessment:	A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment:	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
Maximum Contaminant Level or MCL:	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.
Maximum Contaminant Level Goal or MCLG:	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.
Maximum residual disinfectant level or MRDL:	The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
Maximum residual disinfectant level goal or MRDLG:	The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
na:	not applicable.

Water Quality Test Results

mrem:	millirems per year (a measure of radiation absorbed by the body)
ppb:	micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.
ppm:	milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.
Treatment Technique or TT:	A required process intended to reduce the level of a contaminant in drinking water.

Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2025	1.1	0.7 - 1.2	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	09/14/2023	5.71	5.71 - 5.71	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	09/14/2023	24	24 - 24	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Barium	05/23/2023	0.0366	0.0366 - 0.0366	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	05/23/2023	0.529	0.529 - 0.529	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Iron	05/23/2023	0.222	0.222 - 0.222		1.0	ppm	N	This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits.
Sodium	05/23/2023	54500	54500 - 54500			ppb	N	Erosion from naturally occurring deposits. Used in water softener regeneration.
Thallium	05/23/2023	1.5	1.5 - 1.5	0.5	2	ppb	N	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories.
Zinc	05/23/2023	0.0903	0.0903 - 0.0903	5	5	ppm	N	This contaminant is not currently regulated by the USEPA. However, the state regulates. Naturally occurring; discharge from metal
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	09/09/2024	5.99	5.99 - 5.99	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	09/09/2024	6.12	6.12 - 6.12	0	15	pCi/L	N	Erosion of natural deposits.

Violations Table

Combined Radium 226/228			
Some people who drink water containing radium 226 or 228 in excess of the MCL over many years may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2023	12/31/2025	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

Consumer Confidence Rule			
The Consumer Confidence Rule requires community water systems to prepare and provide to their customers annual consumer confidence reports on the quality of the water delivered by the systems.			
Violation Type	Violation Begin	Violation End	Violation Explanation
CCR ADEQUACY/AVAILABILITY/CONTENT	07/01/2024	09/30/2025	We failed to provide to you, our drinking water customers, an annual report that adequately informed you about the quality of our drinking water and the risks from exposure to contaminants detected in our drinking water.
CCR REPORT	07/01/2025	09/30/2025	We failed to provide to you, our drinking water customers, an annual report that informs you about the quality of our drinking water and characterizes the risks from exposure to contaminants detected in our drinking water.

Gross alpha including radon and uranium			
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.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MAJOR	01/01/2023	12/31/2025	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

Combined Radium 226/228

A slight increase in levels caused more frequent testing to be performed, the next time testing was required fell outside of the calendar year or 2025 and was performed on 3/12/2026. This new information will be reflected on the 2026 CCR but for current reference the level decreased from a 5.99 on 09/09/2024 to a 4.52 on 3/12/2026 which is back to below the MCL.

Consumer Confidence Rule

- **CCR Adequacy/Availability/Content**

- The violation that was received was caused by a clerical error having to do with changes in email address and contact information for those on both the City side, and IEPA side. While the information was submitted on time it did not make it to the intended recipients due to the clerical error. During this entire duration the information was accurate as well as shared with the public, however since it was not properly received through the IEPA the violation existed from 07/01/2024 - 09/30/2025 at which time the original posting of the CCR was now considered to be valid just late.

https://www.cityofmarseilles.com/wp-content/uploads/2025/06/IL0990110_2024_2025-06-16_14-02-57.PDF

- **CCR Report**

- The violation that was received was caused by a clerical error having to do with changes in email address and contact information for those on both the City side, and IEPA side. While the information was submitted on time it did not make it to the intended recipients due to the clerical error. During this entire duration the information was accurate as well as shared with the public, however since it was not properly received through the IEPA the violation existed from 07/01/2025 - 09/30/2025 at which time the original posting of the CCR was now considered to be valid just late.

https://www.cityofmarseilles.com/wp-content/uploads/2025/06/IL0990110_2024_2025-06-16_14-02-57.PDF

Gross alpha including radon and uranium

A clarification on this is being requested, no level was ever exceeded and tests were performed on all required dates.



Lead Service Line Inventory Template

*Please enter information in the empty box next to each section	Water System Name		Marseilles			System ID Number:		PWS IL0990110		Current Inventory Date:		4/15/2024					
*Please enter totals in the empty box next to each category	Total Service lines:	44	Total Lead:	0	Total Non-Lead:	44	Total Galvanized Requiring replacement:	0	Total Unknown:	0	Website link to Material Inventory:						
Service Address	Lead and Copper Sample site number.	Is this a high-risk Facility or Area?	Service Line Newly Identified Since Last Submitted Inventory	Year PWS-Owned Service Line was Installed	Year Customer Side Service Line was Installed	Source of Information Used for Service Line Identification	Gooseneck/ Pigtail	PWS-Owned Service Line Material	Customer Side Service Line Material	Classification for Entire Service Line	Was Galvanized Service Line Material ever downstream of Lead?	Date Customer Notified of Lead Service Line	Was a Lead Service Line Previously Replaced at this Location?	Date Lead Service Line Replaced	Material of Service Line Replacement	Has the customer refused access to the property?	Date of customer waiver or IDPH notification, if customer refused access to property
	Lead and Copper Sample site number is the 7 digit number starting with "LP" or " LA". / If address is not a lead and copper sample site mark "N/A"	EXAMPLES:	Yes (Y) or No (N)	What year was the PWS-Owned service line installed, if known?	What year was the customer side service line installed, if known?	How was the Material of this Service Line Identified? EXAMPLES: Construction Records, Visual Inspections, Survey Response, Maintenance Records, etc...	EXAMPLES:	EXAMPLES:	EXAMPLES:	EXAMPLES:	If any galvanized service line material was ever downstream of a Lead section, mark Yes (Y). If the galvanized service line material was never downstream of any Lead section, mark No (N). / If Yes, that section of service line should be marked as Galvanized Requiring Replacement in the appropriate immediately preceding column(s).	Enter date customer was notified of Lead Service Line. / If Service Line is not Lead put N/R	Yes (Y) or No (N)	If previous column was marked (Y), provide date the Lead Service Line was replaced. / Leave blank if previous column was (N).	EXAMPLES:	Yes (Y) or No (N)	IF customer refused access to property, date waiver obtained by PWS or date PWS notified IDPH of refusal to sign waiver. / Leave blank if customer has not refused access.
Copper - No Lead Solder (C)		Copper - No Lead Solder (C)					Copper - No Lead Solder (C)	Lead (L)	Copper - No Lead Solder (C)								
Copper - Lead Solder (CLS)		Copper - Lead Solder (CLS)					Copper - Lead Solder (CLS)	Galvanized Requiring Replacemnt (GRR)	Copper - Lead Solder (CLS)								
Galvanized (G)		Galvanized (G)					Galvanized (G)	Unknown (U)	Galvanized (G)								
Lead (L)		Galvanized Requiring Replacemnt (GRR)					Galvanized Requiring Replacemnt (GRR)	Non-Lead (NL)	Galvanized Requiring Replacemnt (GRR)								
Cast/Ductile Iron or Transite (O)		Lead (L)					Lead (L)		Lead (L)								
Plastic - PVC, HDPE, PEX (P)		Cast/Ductile Iron or Transite (O)					Cast/Ductile Iron or Transite (O)		Cast/Ductile Iron or Transite (O)								
Unknown (U)		Plastic - PVC, HDPE, PEX (P)					Plastic - PVC, HDPE, PEX (P)		Plastic - PVC, HDPE, PEX (P)								
Unknown Not Lead (UNL)	Unknown (U)	Unknown (U)		Unknown (U)													
		Unknown Not Lead (UNL)		Unknown Not Lead (UNL)		Unknown Not Lead (UNL)		Unknown Not Lead (UNL)									
2701 Barr Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2004	Contruccion records	C	C	P	NL	N	N/R	N			N	
2705 Barr Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2000	Contruccion records	C	C	C	NL	N	N/R	N			N	
2741 Barr Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2002	Contruccion records	C	C	C	NL	N	N/R	N			N	
2749 Barr Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2001	Contruccion records	C	C	C	NL	N	N/R	N			N	
1099 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2004	Contruccion records	C	C	C	NL	N	N/R	N			N	
1121 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2002	Contruccion records	C	C	P	NL	N	N/R	N			N	
1095 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2004	Contruccion records	C	C	C	NL	N	N/R	N			N	
1089 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2006	Contruccion records	C	C	C	NL	N	N/R	N			N	
1001 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2002	Contruccion records	C	C	C	NL	N	N/R	N			N	
2748 Jaret Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2002	Contruccion records	C	C	C	NL	N	N/R	N			N	
1030 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2005	Contruccion records	C	C	C	NL	N	N/R	N			N	
1086 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2005	Contruccion records	C	C	C	NL	N	N/R	N			N	
1090 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2003	Contruccion records	C	C	P	NL	N	N/R	N			N	
1094 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2005	Contruccion records	C	C	C	NL	N	N/R	N			N	
1098 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2005	Contruccion records	C	C	C	NL	N	N/R	N			N	
2744 Barr Avenue, Marseilles, IL 61341	LP1A002	N	Y	1999	2004	Contruccion records	C	C	P	NL	N	N/R	N			N	
1113 Madison Boulevard, Marseilles, IL 61341	N/A	N	Y	1999	2004	Contruccion records	C	C	P	NL	N	N/R	N			N	
1005 Madison Boulevard, Marseilles, IL 61341	N/A	N	Y	1999	2005	Contruccion records	C	C	P	NL	N	N/R	N			N	
2749 Jaret Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2005	Contruccion records	C	C	C	NL	N	N/R	N			N	
2729 Jaret Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2005	Contruccion records	C	C	C	NL	N	N/R	N			N	
1042 Madison Boulevard, Marseilles, IL 61341	N/A	N	Y	1999	2001	Contruccion records	C	C	P	NL	N	N/R	N			N	
1098 Madison Boulevard, Marseilles, IL 61341	N/A	N	Y	1999	2006	Contruccion records	C	C	P	NL	N	N/R	N			N	
1104 Madison Boulevard, Marseilles, IL 61341	N/A	N	Y	1999	2001	Contruccion records	C	C	P	NL	N	N/R	N			N	
1108 Madison Boulevard, Marseilles, IL 61341	N/A	N	Y	1999	2001	Contruccion records	C	C	P	NL	N	N/R	N			N	
1112 Madison Boulevard, Marseilles, IL 61341	N/A	N	Y	1999	2002	Contruccion records	C	C	P	NL	N	N/R	N			N	
1116 Madison Boulevard, Marseilles, IL 61341	N/A	N	Y	1999	2002	Contruccion records	C	C	P	NL	N	N/R	N			N	
2722 Barr Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2001	Contruccion records	C	C	P	NL	N	N/R	N			N	
2710 Barr Avenue, Marseilles, IL 61341	LP2J008	N	Y	1999	2002	Contruccion records	C	C	C	NL	N	N/R	N			N	
2702 Barr Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2001	Contruccion records	C	C	P	NL	N	N/R	N			N	
1075 Timber Edge Drive, Marseilles, IL 61341	N/A	N	Y	1999	2002	Contruccion records	C	C	C	NL	N	N/R	N			N	
1065 Timber Edge Drive, Marseilles, IL 61341	N/A	N	Y	1999	2002	Contruccion records	C	C	C	NL	N	N/R	N			N	
2717 Jaret Avenue, Marseilles, IL 61341	LP1A005	N	Y	1999	2002	Contruccion records	C	C	C	NL	N	N/R	N			N	
1097 Larkin Avenue, Marseilles, IL 61341	N/A	N	Y	1999	2004	Contruccion records	C	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Gate 5 - 2" Meter)	LP2J004	N	Y	1999	1999	Contruccion records	O	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Gate 5 - 6" Meter))	N/A	N	Y	1999	1999	Contruccion records	O	O	O	NL	N	N/R	N			N	

1700 Army Road, Marseilles, IL 61341 (Fill Station - 1.5" Meter)	N/A	N	Y	1999	1999	Contruccion records	C	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Gate 15)	LP2J003		Y	1999	1999	Contruccion records	C	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Picnic Area)	N/A	N	Y	1999	1999	Contruccion records	C	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Barricks - 2" Meter)	N/A	N	Y	1999	1999	Contruccion records	C	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Barricks Fire - 10" Meter)	N/A	N	Y	1999	1999	Contruccion records	O	O	O	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Gun Range Bathroom 1)	N/A	N	Y	1999	1999	Contruccion records	C	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Weapons Range)	N/A	N	Y	1999	1999	Contruccion records	C	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Heat Training Building)	N/A	N	Y	1999	2013	Contruccion records	C	C	C	NL	N	N/R	N			N	
1700 Army Road, Marseilles, IL 61341 (Gun Range Bathroom 2)	N/A	N	Y	1999	2020	Contruccion records	C	C	P	NL	N	N/R	N			N	



ANALYTICAL REPORT

2323 Fourth Street
P.O. Box 483
Peru, Illinois 61354
815-224-1650
800-659-4659
FAX 815-224-1688
www.testinc.com

April 13, 2026

Attn: Brian Trainor
Marseilles
209 Lincoln Street
Marseilles, IL 61341

Work Order Number: 26030600

Dear Brian Trainor,

Enclosed are the results of analyses for samples received by TEST, Inc. on 3/12/2026.

All testing conforms to the applicable TNI Standards and the laboratory's Quality Manual where applicable, unless otherwise noted in the report.

This final Analytical Report consists of this cover letter, case narrative, laboratory results, and any accompanying documentation including, but not limited to chain of custody records.

This report may not be reproduced except in full without prior written approval from TEST, Inc.

If you have any questions regarding these test results, please do not hesitate to contact me at (815) 224-1650 or (800) 659-4659.

Sincerely,

Tobi McCauley
Laboratory Manager
Total Environmental Service Technologies, Inc.





Reported To:

Brian Trainor
Marseilles
209 Lincoln Street
Marseilles, IL 61341

Project: IL0990110 - Rads
P.O. No.:

ClientMatrix

Reported Samples

Lab ID	Sample	Matrix	Qualifiers	Date Sampled	Date Received
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Reported To:

Brian Trainor
Marseilles
209 Lincoln Street
Marseilles, IL 61341

Project: IL0990110 - Rads
P.O. No.:

Laboratory Results

Collected

Sample: []

Analyte	Result	Qual	Reporting Limit	Units	Date Analyzed	Analyst	Method
---------	--------	------	--------------------	-------	---------------	---------	--------

Reported To:

Brian Trainor
Marseilles
209 Lincoln Street
Marseilles, IL 61341

Project: IL0990110 - Rads
P.O. No.:

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.
*	Analyte is not IEPA certified.

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

[illegible]



Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

April 08, 2026

Tobi McCauley
TEST, Inc.
2323 4th Street
Peru, IL 61354

RE: IL0990110-26030600

Dear Tobi McCauley:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **3/13/26 8:35 am** and logged in under work order **JC02826**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in grey ink that reads 'Valerie Bennett'.

Valerie Bennett
Project Manager
(309)683-1737
valerie.bennett@pacelabs.com



ANALYTICAL RESULTS

Sample: JC02826-01

Name: 26030600-01-TP01

Alias: MARSEILLES SOUTH

Reg ID: IL0990110

Sampled: 03/12/26 11:09

Received: 03/13/26 08:35

Matrix: Drinking Water - Regular Sample

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Miscellaneous - PACE Analytical - Greensburg									
Radium 226 - subcontracted	2.99	pCi/L			1	0.506	03/30/26 13:21	PACE	Subcontracted - EPA 903.1
Radium 228 - subcontracted	1.53	pCi/L			1	0.703	04/01/26 11:28	PACE	Subcontracted - EPA 904.0



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Valerie Bennett, Project Manager



April 07, 2026

Valerie Bennett
PDC Laboratories
2231 W. Altorfer Drive
Peoria, IL 61615

RE: Project: JC02826
Pace Project No.: 30853541

Dear Valerie Bennett:

Enclosed are the analytical results for sample(s) received by the laboratory on March 17, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carla Cmar
carla.cmar@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Pace-Peoria Reporting, Pace Analytical Services (Peoria, IL)



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: JC02826
Pace Project No.: 30853541

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 3 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: JC02826

Pace Project No.: 30853541

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30853541001	JC02826-01	Drinking Water	03/12/26 11:09	03/17/26 10:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: JC02826
Pace Project No.: 30853541

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30853541001	JC02826-01	EPA 903.1	TMY	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: JC02826
Pace Project No.: 30853541

Method: EPA 903.1
Description: 903.1 Radium 226, DW
Client: Pace Analytical Services (Peoria, IL)
Date: April 07, 2026

General Information:

1 sample was analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: JC02826
Pace Project No.: 30853541

Method: EPA 904.0
Description: 904.0 Radium 228, DW
Client: Pace Analytical Services (Peoria, IL)
Date: April 07, 2026

General Information:

1 sample was analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: JC02826

Pace Project No.: 30853541

Method: Total Radium Calculation

Description: Total Radium 228+226

Client: Pace Analytical Services (Peoria, IL)

Date: April 07, 2026

General Information:

1 sample was analyzed for Total Radium Calculation by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: JC02826

Pace Project No.: 30853541

Sample: JC02826-01 **Lab ID:** 30853541001 Collected: 03/12/26 11:09 Received: 03/17/26 10:45 Matrix: Drinking Water

PWS: **Site ID:** **Sample Type:**

Comments: • The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 903.1	2.99 ± 0.820 (0.506) C:NA T:97%	pCi/L	03/30/26 13:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 904.0	1.53 ± 0.451 (0.703) C:74% T:85%	pCi/L	04/01/26 11:28	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	4.52 ± 1.27 (1.21)	pCi/L	04/02/26 14:36	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: JC02826

Pace Project No.: 30853541

QC Batch: 806276

Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1

Analysis Description: 903.1 Radium-226, DW

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30853541001

METHOD BLANK: 3935701

Matrix: Drinking Water

Associated Lab Samples: 30853541001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0461 ± 0.157 (0.429) C:NA T:93%	pCi/L	03/30/26 13:09	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: JC02826

Pace Project No.: 30853541

QC Batch: 806277

Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0

Analysis Description: 904.0 Radium 228, DW

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30853541001

METHOD BLANK: 3935702

Matrix: Drinking Water

Associated Lab Samples: 30853541001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.478 ± 0.352 (0.712) C:78% T:89%	pCi/L	04/01/26 11:26	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: JC02826
Pace Project No.: 30853541

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JC02826

Pace Project No.: 30853541

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30853541001	JC02826-01	EPA 903.1	806276		
30853541001	JC02826-01	EPA 904.0	806277		
30853541001	JC02826-01	Total Radium Calculation	809443		

REPORT OF LABORATORY ANALYSIS

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SUBCONTRACT ORDER
Transfer Chain of Custody
Pace Analytical Services, LLC
JC02826

WO# : 30853541



SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

PACE Analytical - Greensburg
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724) 850-5600

Sample: JC02826-01
Name: 26030600-01-TP01

Sampled: 03/12/26 11:09
Matrix: Drinking Water
Preservative: HNO₃, pH <2

Analysis	Due	Expires	Comments	001
01-Radium 226	03/25/26 16:00	09/08/26 11:09		
01-Radium 228	03/25/26 16:00	09/08/26 11:09		

Received by Pace Greensburg
Therm ID Corr Factor +/-
Receipt Temp
Corrected Temp
Correct Preservation Y N

Please email results to Valerie Bennett at valerie.bennett@pacelabs.com

Date Shipped: 3/16/26 Total # of Containers: 1 Sample Origin (State): IL PO #:

Turn-Around Time Requested ☐ NORMAL ☐ RUSH Date Results Needed:

Relinquished By	Date/Time	Received By	Date/Time	Sample Temperature Upon Receipt	<u> </u> °C
<u>[Signature]</u>	<u>3/16/26 0550</u>	<u>[Signature]</u>	<u>3/17/26 1045</u>	Sample(s) Received on Ice	Y or <u>N</u>
				Proper Bottles Received in Good Condition	<u>Y</u> or N
				Bottles Filled with Adequate Volume	<u>Y</u> or N
				Samples Received Within Hold Time	<u>Y</u> or N
				Date/Time Taken From Sample Bottle	<u>Y</u> or N

WO#: 30853541

PM: CMC

Due Date: 04/07/26

CLIENT: PACE_72_PEIL



DC#_Title: ENV-FRM-GBUR-0088 v09_Sarr
Greensburg

Effective Date: 06/24/2025

Client Name:

Pace PETL

Project #:

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 8896 4504 2196

Initial / Date

Examined By: ES 3/17/26

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals Intact: ☐ Yes ☒ No

Therm. Used: _____ Type of Ice: Wet Blue (None)

Cooler Temp: _____ Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C

Temp should be above freezing to 6°C

pH paper Lot#
6503010

D.P.D. Residual Chlorine Lot #

Comments:	Yes	No	NA	
Chain of Custody Present	/			1.
Chain of Custody Filled Out:	/			2.
-Were client corrections present on COC	/			3.
Chain of Custody Relinquished	/			4.
Sampler Name & Signature on COC:	/			5.
Sample Labels match COC:				
-Includes date/time/ID Matrix: DW				
Samples Arrived within Hold Time:	/			6.
Short Hold Time Analysis (<72hr remaining):		/		7.
Rush Turn Around Time Requested:		/		8.
Sufficient Volume:	/			9.
Correct Containers Used:	/			10.
-Pace Containers Used		/		
Containers Intact:	/			11.
Orthophosphate field filtered:			/	12.
Hex Cr Aqueous samples field filtered:			/	13.
Organic Samples checked for dechlorination			/	14.
Filtered volume received for dissolved tests:			/	15.
Cr6+, Orthophosphate, DOC, Metals	/			16.
All containers checked for preservation:				
exceptions: VOA, coliform, TOC, O&G, TOX, LL Hg, Radon, non-aqueous matrix				
All containers meet method preservation requirements:	/			
				pH < 2
				Initial when completed ES Date/Time of Preservation
				Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			/	17.
624.1: Headspace in VOA Vials (0mm)			/	18.
Radon: Headspace in RAD Vials (0mm)			/	19.
Trip Blank Present:			/	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	/			Initial when completed ES Date: 3/17/26 Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

21125

Notes:

If RAD SL Column is used, log all 3 containers listed under Rad Soil Container List. *

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Page 18 of 23

Page 15 of 17
Page 18 of 23

[illegible]

Container Codes

Glass			
GAJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
AG1U	1L Amber Glass unpreserved	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thio		
BG1U	1L clear glass unpres		
AG3S	250mL amber glass H2		
AG3U	250mL amber glass un		

W0#: 30853541

PM: CMC

Due Date: 04/07/26

Plastic/Misc.			
GCUB	1 gallon cubitainer	EZI	5g Encore
12GN	1/2 gallon cubitainer	VOAK	Kit Volatile Solid
SP5T	120mL coliform Na Thiosulfate	I	Wipe/Swab
BP1N	1L plastic HNO ₃	ZPLC	Ziploc Bag
BP1U	1L plastic unpreserved		
BP3S	250mL plastic H ₂ SO ₄	WT	Water
BP3N	250mL plastic HNO ₃	SL	Solid
BP3U	250mL plastic unpreserved	OL	Non-Aq Liquid
BP3B	250mL plastic NaOH	WP	Wipe
BP2S	500mL plastic H ₂ SO ₄		
BP2U	500mL plastic unpreserved		
BP3E	250mL plastic EDTA		
BP2Z	500mL plastic Zinc Acetate		
BP2N	500mL plastic HNO ₃		

* RAD SL	
Rad Soil Container List	
GP04	4oz Can
GPCT	C-Tube
GPZB	Gamma Zip Bag

Glass

Plastic/Misc.

***RAD SL**

Rad Soil Container List

SP04 | 4oz Can

SPCT C-Tube

SPZB	Gamma Zip Bag
------	---------------

MO#: 30853541

PM: CMC Due Date: 04/07/26

CLIENT: PACE_72_PEIL

Quality Control Sample Performance Assessment



Test: Ra-226
Analyst: TMY
Date: 3/19/2026
Batch ID: 89950
Matrix: DW

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MB Sample ID	395701
MB Concentration:	-0.046
M/B Counting Uncertainty:	0.157
MB MDC:	0.429
MB Numerical Performance Indicator:	-0.58
MB Status vs Numerical Indicator:	Pass
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	
LCSD (Y or N)?	N
LCSD 89950	LCSD 89950
Count Date:	3/30/2026
Spike I.D.:	25-038
Spike Concentration (pCi/mL):	31.869
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.651
Target Conc. (pCi/L, g, F):	4.893
Uncertainty (Calculated):	0.230
Result (pCi/L, g, F):	4.519
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	1.011
Numerical Performance Indicator:	-0.71
Percent Recovery:	92.34%
Status vs Numerical Indicator:	Pass
Status vs Recovery:	Pass
Upper % Recovery Limits:	133%
Lower % Recovery Limits:	73%

Sample Matrix Spike Control Assessment	
Sample Collection Date:	3/12/2026
Sample I.D.:	70411343001
Sample MS I.D.:	70411343001MS
Sample MSD I.D.:	25-038
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	31.870
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	0.651
MS Aliquot (L, g, F):	9.796
MS Target Conc. (pCi/L, g, F):	0.460
MSD Aliquot (L, g, F):	0.612
MSD Target Conc. (pCi/L, g, F):	0.497
MS Spike Uncertainty (calculated):	12.501
MSD Spike Uncertainty (calculated):	1.762
Sample Result Counting Uncertainty (pCi/L, g, F):	2.173
Sample Matrix Spike Result:	121.37%
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	Warning
Sample Matrix Spike Duplicate Result:	Pass
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L, g, F):	136%
MS Numerical Performance Indicator:	71%
MSD Numerical Performance Indicator:	
MS Percent Recovery:	
MS Status vs Numerical Indicator:	
MS Status vs Recovery:	
MS/MSD Upper % Recovery Limits:	
MS/MSD Lower % Recovery Limits:	

Duplicate Sample Assessment	
Sample I.D.:	30853542001
Duplicate Sample I.D.:	30853542001DUP
Sample Result Counting Uncertainty (pCi/L, g, F):	0.000
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.175
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	-0.423
Are sample and/or duplicate results below RL?	0.437
Duplicate Numerical Performance Indicator:	See Below #
Duplicate RPD:	1.761
Duplicate Status vs Numerical Indicator:	-200.00%
Duplicate Status vs RPD:	Pass
% RPD Limit:	32%

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.:	Sample I.D.
Sample MS I.D.:	Sample MS I.D.
Sample MSD I.D.:	Sample MSD I.D.
Matrix Spike Result Counting Uncertainty (pCi/L, g, F):	Sample Matrix Spike Result Counting Uncertainty (pCi/L, g, F):
Sample Matrix Spike Duplicate Result:	Sample Matrix Spike Duplicate Result:
Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):	Sample Matrix Spike Duplicate Counting Uncertainty (pCi/L, g, F):
Duplicate Numerical Performance Indicator:	Duplicate Numerical Performance Indicator:
(Based on the Percent Recoveries) MS/MSD Duplicate RPD:	(Based on the Percent Recoveries) MS/MSD Duplicate RPD:
MS/MSD Duplicate Status vs Numerical Indicator:	MS/MSD Duplicate Status vs Numerical Indicator:
MS/MSD Duplicate Status vs RPD:	MS/MSD Duplicate Status vs RPD:
% RPD Limit:	% RPD Limit:

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the RL.

Comments:

*Arizona DHES requires qualification for any AZ DW samples reported where the QC does not meet the recommended limits of the Manual for the Certification of Labs Analyzing Drinking Waters, 5th Edition, section 7.7 of Chapter VI.

3.3026
w033026

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: Ra-228
Analyst: JJS1
Date: 3/24/2026
Worklist: 89951
Matrix: DW

Method Blank Assessment	
MB Sample ID	3935702
MB concentration:	0.478
MB Counting Uncertainty:	0.352
MB MDC:	0.712
MB Numerical Performance Indicator:	2.66
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	
Count Date:	4/1/2026
Spoke ID:	23-043
Decay Corrected Spike Concentration (pCi/mL):	29.301
Volume Used (mL):	0.10
Aliquot Volume (L, g, F):	0.817
Target Conc. (pCi/L, g, F):	3.588
Uncertainty (Calculated):	0.176
Result (pCi/L, g, F):	3.441
LCS/LCSD Counting Uncertainty (pCi/L, g, F):	0.613
Numerical Performance Indicator:	-0.45
Percent Recovery:	95.91%
Status vs Numerical Indicator:	N/A
Status vs Recovery:	Pass
Upper % Recovery Limits:	135%
Lower % Recovery Limits:	60%

Duplicate Sample Assessment	
Sample I.D.:	30853499001
Duplicate Sample I.D.:	30853499001DUP
Sample Result (pCi/L, g, F):	0.832
Sample Duplicate Result (pCi/L, g, F):	0.385
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.444
Sample Duplicate Result Counting Uncertainty (pCi/L, g, F):	0.349
Are sample and/or duplicate results below RL?	See Below ##
Duplicate Numerical Performance Indicator:	1.461
Duplicate RPD:	60.73%
Duplicate Status vs Numerical Indicator:	Pass
Duplicate Status vs RPD:	Fail***
% RPD Limit:	36%

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

Arizona DHES requires qualification for any AZ DW samples reported where the QC does not meet the recommended limits of the Manual for the Certification of Labs Analyzing Drinking Waters, 5th Edition, section 7.7 of Chapter VI.

4-2-26
JJS



REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

SAMPLE COLLECTED IN THE STATE OF _____

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT TEST, INC ADDRESS 2323 4TH ST. CITY STATE ZIP PERU, IL 61354 CONTACT PERSON TOBI MCCAULEY		PROJECT NUMBER 815-224-1650		PROJECT LOCATION Marseilles South		PURCHASE ORDER #		3 ANALYSIS REQUESTED <table border="1"><tr><td>+</td><td>+</td><td>+</td><td>+</td></tr><tr><td>Combined Radium</td><td>Radium 226, 228</td><td>Gross Alpha</td><td>Uranium</td></tr></table>				+	+	+	+	Combined Radium	Radium 226, 228	Gross Alpha	Uranium	4 (FOR LAB USE ONLY) LOGIN # <u>JCO2826</u> LOGGED BY: _____ CLIENT: _____ PROJECT: _____ PROJ. MGR.: _____ CUSTODY SEAL #: _____	
+	+	+	+																		
Combined Radium	Radium 226, 228	Gross Alpha	Uranium																		
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT) 26030600-01 TP01		DATE COLLECTED 3-12-26	TIME COLLECTED 11:09	SAMPLE TYPE GRAB X	COMP DW	MATRIX TYPE DW	BOTTLE COUNT 1	PRES CODE CLIENT PROVIDED 3	REMARKS IL0990110 IEPA Compliance 1st Quarter 2026 January - March												
CHEMICAL PRESERVATION CODES: 1 - HCL 2 - H2SO4 3 - HNO3 4 - NAOH 5 - NA2S2O3 6 - UNPRESERVED 7 - OTHER																					
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) <u>NORMAL</u> RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:				DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may <u>NOT</u> be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____															
7 RELINQUISHED BY: (SIGNATURE) 		DATE 3-12-26 TIME 12:00		RECEIVED BY: (SIGNATURE) 		DATE 3-12-26 TIME 12:00		8 COMMENTS: (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT _____ °C TEMPERATURE GUN ID _____ CHILL PROCESS STARTED PRIOR TO RECEIPT Y OR N SAMPLE(S) RECEIVED ON ICE Y OR N SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED Y OR N DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____													
RELINQUISHED BY: (SIGNATURE) 		DATE 3-13-26 TIME 7:00		RECEIVED BY: (SIGNATURE) 		DATE 3-13-26 TIME 7:00															
RELINQUISHED BY: (SIGNATURE) 		DATE 3-13-26 TIME 8:35		RECEIVED BY: (SIGNATURE) 		DATE 3-13-26 TIME 8:35															

W/I

ENV-FRM-PEOR-0098 v05_Sample Condition Upon Receipt

Client Name: Test Work Order #: JC02826 Completed by / Date: SL 3/13/26

Custody seal on cooler/box present and seal intact:	☐ Yes ☐ No ☒ N/A
Chain of Custody (CoC) Present:	☒ Yes ☐ No
CoC is Legible:	☒ Yes ☐ No
Sampler Name Present on CoC:	☐ Yes ☒ No
Sampler Signature Present on CoC:	☐ Yes ☒ No
Sample Collection Date Present on CoC:	☒ Yes ☐ No
Sample Collection Time Present on CoC:	☒ Yes ☐ No
CoC Relinquished by Client:	☒ Yes ☐ No
Unique Sample ID's Present on CoC:	☒ Yes ☐ No
CoC and Sample Container Labels Match:	☒ Yes ☐ No
Sample chilling process started prior to receipt: If yes, what type of ice:	☐ Yes ☐ No ☒ N/A ☐ Wet ☐ Blue
Samples received within temperature compliance: ($\leq 6^{\circ}\text{C}$, but above freezing or received same day collected and chill process started prior to receipt)	☐ Yes ☐ No ☒ N/A
Container(s) Received Intact:	☒ Yes ☐ No
Containers Received Labeled and Labels are Legible:	☒ Yes ☐ No
Appropriate Bottles Received for Analysis Requested:	☒ Yes ☐ No
Sufficient Sample Volume Received:	☒ Yes ☐ No
USDA Regulated Soil: Country of Origin: _____ State of Origin: _____	☐ Yes ☐ No ☒ N/A
Trip Blank(s) Received: If present, are they Listed on CoC:	☐ Yes ☐ No ☒ N/A ☐ Yes ☐ No
VOA vials are free of any headspace larger than pea sized bubble (>6mm) – Applies to methods 8260, 624, 524.2 - including THM vials If headspace is present, note sample ID and # of vials	☐ Yes ☐ No ☒ N/A
All (Non-Field) Analysis Received Within Hold Times:	☒ Yes ☐ No
Rush Turn Around Time Requested or Time Sensitive Analysis:	☐ Yes ☒ No
Short Hold Time Analysis (48 Hours or Less):	☐ Yes ☒ No

Client Notification/ Resolution:

If checked, please see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample.

WORK ORDER #:

J002826

INITIALS:

82

	Plastic Bottles									
	-1	-2	-3	-4	-5	-6	-7	-8	-9	-10
P, U, 1000ml - Total										
P, U, 250ml										
P, U, 500ml - Total										
P, U, 500ml - Diss										
P, 250ml/500ml H ₂ SO ₄ - Total										
P, 250ml/500ml H ₂ SO ₄ - Diss										
P, 250ml/500ml NaOH										
P, 250ml/500ml HNO ₃ - Total										
P, 250ml/500ml HNO ₃ - Diss										
P, 500ml NaOH + ZnAc										
P, U, 150ml/4oz TC										
P, 1L HNO ₃										
P, U, 2.5L	1									
P, U, 50ml										
S, U, P, 120ml										
S, P, 120ml Na ₂ S ₂ O ₃										
P, 16oz - Soil/Sludge										
Amber Glass Bottles - Vials										
A, G, U, 1000ml										
A, G, 1000ml HCl										
A, G, 1000ml MeCl ₂										
A, G, 500ml H ₂ SO ₄										
A, G, U, 500ml										
A, G, U, 250ml H ₂ SO ₄										
A, G, U, 250ml										
A, G, U, 100ml										
A, V, 40ml H ₂ SO ₄										
A, V, U, 60ml										
Clear Glass Bottles - Soil/Sludge Jars - Vials										
C, G, 1000ml HCl										
C, G, U, 1000ml										
C, G, U, 250ml - LLHg										
C, G, U, 250ml - LLHg - FB										
C, G, 16oz - Soil Jar										
C, G, 9oz - Soil Jar										
C, G, 4oz - Soil Jar										
C, G, 2oz - Soil Jar										
C, V, 40ml TSP										
C, V, 40ml HCl										
C, V, U, 40ml										
C, V, 40ml Na ₂ S ₂ O ₃										
C, V, 40ml MeOH										
C, V, 40ml Sodium Bisulfate										
C, V, U, 60ml										
Client Supplied										
Description										