

ANALYTICAL SUMMARY REPORT

September 17, 2024

Fort Smith Water and Sewer Dist PO Box 7596 Fort Smith, MT 59035-7596

Work Order: B24090704

Project Name: MT0004765

Energy Laboratories Inc Billings MT received the following 6 samples for Fort Smith Water and Sewer Dist on 9/10/2024 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B24090704-001	MCC364th	09/10/24 5:35	09/10/24	Drinking Water	Metals by ICP/ICPMS, Drinking Water Metals pH check by the Laboratory FIRST Metals Digestion by E200.2
B24090704-002	BAP111st	09/10/24 8:08	09/10/24	Drinking Water	Same As Above
B24090704-003	STE145D	09/10/24 6:40	09/10/24	Drinking Water	Same As Above
B24090704-004	SHA903RD	09/10/24 5:35	09/10/24	Drinking Water	Same As Above
B24090704-005	WIL116F	09/10/24 5:30	09/10/24	Drinking Water	Same As Above
B24090704-006	S6	09/10/24 8:25	09/10/24	Drinking Water	Bacteria, Public Water Supply

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

ENERGY	
LABORATORIES	

CLIENT:Fort Smith Water and Sewer DistProject:MT0004765Work Order:B24090704

Report Date: 09/17/24

CASE NARRATIVE

Thank you for trusting Energy Laboratories with your Drinking Water compliance testing.

In order to complete your Lead and Copper requirements you must submit your consumer notice to the State.

To calculate the 90th percentile for each analyte:

For systems that collect 5 samples, take the average of the 2 highest concentrations and compare this value with the Action Level for the analyte.

For systems that collect 10 samples, take the 2nd highest sample concentration and compare this value with the Action Level for the analyte.

Action Levels:

Copper = 1.3 mg/L Lead = 0.015 mg/L



3014 Coliform, E-Coli

Absent

per 100ml

09/10/24 13:18 / spb

A9223 B

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:	Fort Smith V	Vater and Sewe	er Dist	R	eport Date: 09/17/24		
Project:	MT0004765					Colle	ction Date: 09/10/24 08:25
Client Sample ID:	S6					Rece	eived Date: 09/10/24 12:24
PWS ID:	MT0004765	Facility ID:	: DS001	Sample Point ID:	SP001		Matrix: Drinking Water
Facility Name:	FORT SMIT	H WATER AND	SEWER	DISTRICT		S	ampled By: Josh McCraw
Lab ID:	B24090704-	-006A					
Compliance Samp	le: YES	Sample Type:	RT	Residual Chlorine	(Field): 0.20)	Res Cl Type: Unspecified
Analyses		Result	Units	Safe/Unsafe	Qualifier	Method	Analysis Date / By
MICROBIOLOGIC	4L						
3100 Coliform, Total		Absent	per 100m	I SAFE		A9223 B	09/10/24 13:18 / spb

 Comments:
 The notation "SAFE" indicates that the water was bacteriologically SAFE when sampled.

 The notation "UNSAFE" indicates that the water was bacteriologically UNSAFE when sampled.

Qualifiers:



Client Sample ID: MCC364thReport Date: 09/17/24PWS #: MT0004765Name: FORT SMITH WATER AND SEWER DISTRICTCollection Date: 09/10/24Facility ID:DS001Date Received: 09/10/24	
PWS #: MT0004765 Name: FORT SMITH WATER AND SEWER DISTRICT Collection Date: 09/10/24 Facility ID:DS001 Date Received: 09/10/24	
Facility ID: DS001Date Received: 09/10/24	05:35
SamplingPoint/Location: SP001 / MCC364th Matrix: Drinking	Water
Project ID: MT0004765 Federal ID#: MT0000	5
Collector's Name: Josh McCraw Contact Phone #: 406-666-2581	
Compliance Sample: YES Sample Type: RT	

FRDS Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
1022 Copper	0.011	mg/L		0.005	1.3	E200.8	09/13/24 15:22 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	09/13/24 15:22 / jks



Compliance Sample: YES	Sample Type: RT	
Collector's Name: Josh McCraw	Contact Phone #: 406-666-2581	
Project ID:MT0004765		Federal ID#: MT00005
SamplingPoint/Location: SP001 / E	Matrix: Drinking Water	
Facility ID:DS001		Date Received: 09/10/24
PWS #: MT0004765 Name: FOR	Collection Date: 09/10/24 08:08	
Client Sample ID: BAP111st	Report Date: 09/17/24	
Client: Fort Smith Water and Sewer	Lab ID: B24090704-002	

FRDS Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
1022 Copper	0.140	mg/L		0.005	1.3	E200.8	09/13/24 15:44 / jks
1030 Lead	0.002	mg/L		0.001	0.015	E200.8	09/13/24 15:44 / jks



LABORATORY ANALYTICAL REPORT

Client: Fort Smith Water and Sewer D	Lab ID: B24090704-003	
Client Sample ID: STE145D	Report Date: 09/17/24	
PWS #: MT0004765 Name: FORT	Collection Date: 09/10/24 06:40	
Facility ID:DS001		Date Received: 09/10/24
SamplingPoint/Location: SP001 / S	Matrix: Drinking Water	
Project ID:MT0004765		Federal ID#: MT00005
Collector's Name: Josh McCraw	Contact Phone #: 406-666-2581	
Compliance Sample: YES	Sample Type: RT	

FRDS Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
1022 Copper	0.022	mg/L		0.005	1.3	E200.8	09/13/24 15:50 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	09/13/24 15:50 / jks



Client: Fort Smith Water and Sewer Di	Lab ID: B24090704-004	
Client Sample ID: SHA903RD	Report Date: 09/17/24	
PWS #: MT0004765 Name: FORT	Collection Date: 09/10/24 05:35	
Facility ID:DS001		Date Received: 09/10/24
SamplingPoint/Location: SP001 / SH	IA903RD	Matrix: Drinking Water
Project ID: MT0004765		Federal ID#: MT00005
Collector's Name: Josh McCraw	Contact Phone #: 406-666-2581	
Compliance Sample: YES	Sample Type: RT	

FRDS Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
1022 Copper	0.009	mg/L		0.005	1.3	E200.8	09/13/24 15:55 / jks
1030 Lead	ND	mg/L		0.001	0.015	E200.8	09/13/24 15:55 / jks



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Client: Fort Smith Water and Sewer I	Lab ID: B24090704-005	
Client Sample ID: WIL116F	Report Date: 09/17/24	
PWS #: MT0004765 Name: FORT	SMITH WATER AND SEWER DISTRICT	Collection Date: 09/10/24 05:30
Facility ID: DS001		Date Received: 09/10/24
SamplingPoint/Location: SP001 / W	Matrix: Drinking Water	
Project ID:MT0004765		Federal ID#: MT00005
Collector's Name: Josh McCraw	Contact Phone #: 406-666-2581	
Compliance Sample: YES	Sample Type: RT	

FRDS Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
1022 Copper	0.030	mg/L		0.005	1.3	E200.8	09/13/24 16:12 / jks
1030 Lead	0.001	mg/L		0.001	0.015	E200.8	09/13/24 16:12 / jks



QA/QC Summary Report

Client:	Fort Smith Water and	d Sewer	Dist		Work Order:	B2409	0704	Repo	ort Date:	: 09/17/24	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytic	al Run: I	CPMS209-B	_240913A
Lab ID:	QCS	2 Ini	tial Calibratio	on Verificat	tion Standard					09/13	/24 13:10
Copper			0.0502	mg/L	0.010	100	90	110			
Lead			0.0484	mg/L	0.0010	97	90	110			
Lab ID:	CCV	2 Cc	ontinuing Cal	ibration Ve	erification Standar	ď				09/13	/24 14:33
Copper			0.0502	mg/L	0.010	100	90	110			
Lead			0.0496	mg/L	0.0010	99	90	110			
Lab ID:	CCV	2 Cc	ontinuing Cal	ibration Ve	erification Standar	ď				09/13	/24 16:01
Copper			0.0490	mg/L	0.010	98	90	110			
Lead			0.0496	mg/L	0.0010	99	90	110			
Method:	E200.8									Batch	R428866
Lab ID:	LRB	2 Me	ethod Blank				Run: ICPM	S209-B_240913	ЗA	09/13	/24 13:32
Copper			ND	mg/L	0.0001						
Lead			ND	mg/L	0.00001						
Lab ID:	LFB	2 La	boratory For	tified Blank	K		Run: ICPM	S209-B_240913	3A	09/13	/24 13:48
Copper			0.0508	mg/L	0.010	102	85	115			
Lead			0.0509	mg/L	0.0010	102	85	115			
Lab ID:	B24090704-001AMS	2 Sa	mple Matrix	Spike			Run: ICPM	S209-B_240913	ЗA	09/13	/24 15:28
Copper			0.0635	mg/L	0.0050	104	70	130			
Lead			0.0546	mg/L	0.0010	108	70	130			
Lab ID:	B24090704-001AMSD	2 Sa	mple Matrix	Spike Dup	licate		Run: ICPM	S209-B_240913	3A	09/13	/24 15:33
Copper			0.0625	mg/L	0.0050	102	70	130	1.6	20	
Lead			0.0533	mg/L	0.0010	105	70	130	2.4	20	
Lab ID:	B24090745-001AMS	2 Sa	ample Matrix	Spike			Run: ICPM	S209-B_240913	ЗA	09/13	/24 16:50
Copper			0.140	mg/L	0.0050	94	70	130			
Lead			0.0541	mg/L	0.0010	108	70	130			
Lab ID:	B24090745-001AMSD	2 Sa	ample Matrix	Spike Dup	licate		Run: ICPM	S209-B_240913	ЗA	09/13	/24 16:55
Copper			0.139	mg/L	0.0050	92	70	130	0.7	20	
Lead			0.0520	mg/L	0.0010	104	70	130	3.8	20	



B24090704

Work Order Receipt Checklist

Fort Smith Water and Sewer Dist

Login completed by:	Danielle N. Harris		Date	Received: 9/10/2024	
Reviewed by:	jmiller		Re	ceived by: KLP	
Reviewed Date:	9/13/2024		Car	rier name: Hand Deliver	
Shipping container/cooler in	good condition?	Yes 🔽	No 🗔	Not Present	
Custody seals intact on all s	hipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on all s	ample bottles?	Yes	No 🗌	Not Present 🗹	
Chain of custody present?		Yes 🗹	No 🗌		
Chain of custody signed whe	en relinquished and received?	Yes 🗹	No 🗌		
Chain of custody agrees with	h sample labels?	Yes 🗹	No 🗌		
Samples in proper container	/bottle?	Yes 🗹	No 🗌		
Sample containers intact?		Yes 🗹	No 🗌		
Sufficient sample volume for	r indicated test?	Yes 🗹	No 🗌		
All samples received within h (Exclude analyses that are c such as pH, DO, Res Cl, Su	holding time? considered field parameters ulfite, Ferrous Iron, etc.)	Yes 🗹	No 🗌		
Temp Blank received in all s	hipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Applicable	
Container/Temp Blank temp	erature:	2.2°C On Ice	- From Field		
Containers requiring zero he bubble that is <6mm (1/4").	eadspace have no headspace or	Yes	No 🗌	No VOA vials submitted	
Water - pH acceptable upon	receipt?	Yes 🗹	No 🗌	Not Applicable	

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

The samples for lead & copper analysis were preserved in the laboratory to pH <2 with 2 mL of nitric acid upon receipt and within the EPA recommended 14 day holding time. In accordance with the Safe Drinking Water Act, these



Work Order Receipt Checklist - Continued

Fort Smith Water and Sewer Dist

B24090704

samples must be held for 16 hours prior to analysis. DNH 9/10/24

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EVERGY	LABORATORIES

Chain of Custody & Analytical Request Record

Trust our People. Trust our Data.		www.energylab.com		Page of of
Account Information (Billing information)		Report Information (if different than Account Information	ion) Comments	
Company/Name Fort Smith Water Seve	er District	Company/Name		
Contact Josh NrCrow		Contact		
Phone 406-202-204 Phone		Phone		
Mailing Address P.O. Box 7546		Mailing Address		
City, State, Zip Fort Smith, MT 510	35	City, State, Zip		7
Email bro incorsu @ fa smithur.	Com	Email		
Receive Invoice OHard Copy Comail Receive Report	t DHard Copy Afemail	Receive Report DHard Copy Email		
Purchase Order Quote E	Bottle Order 187532	Special Report/Formats:	ar	
Project Information		Matrix Codes Analys	is Requested	
Project Name, PWSID, Permit, etc. ZT COCH 7	765	A- Air		All turnaround times are
Sampler Name Josh ArCrau Sampler Pho	Prob. 166. 665. 711,M	w- water Solis/		RUSH.
Sample Origin State Art EPA/State C	Compliance	lo V- Vegetation L C at	1	Energy Laboratories MUST be contacted prior to
URANIUM MINING CLIENTS MUST indicate sample type	be	B- Bioassay	рәц	RUSH sample submittal for
Unprocessed Ore Processed Ore Processed Ore (Ground or Refined) **CALL BEFORE (10 11(e)2 Byproduct Material (Can ONLY be Submitted to 10 11(e)2 Byproduct Material (Can ONLY be Submitted to 10 11(e)2	SENDING DELI Casper Location)	o- OI DW - Drinking トレート・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	Attac	criarges and scheduling – See Instructions Page
Samula Identification	Collection	Matrix & C. C.	/ 98	
(Name, Location, Interval, etc.)	Date Tim	e Containers (See Codes 9 10 55	S	TAT Laboratory Use Only
1 MCC 364th	9-10-74 Size	AN I DU X		HOR 02 0129
2 BAP 11 15+	1808	AT I DU X		
5TE NSD	eh.?	X MA 1 MA		
4 SHA903RD	S.X	X MO I NO		
5 WIL (16 F	I S:30	X NG I NA		
· Slo (Utlatine Acid. , 20	C: 8 HC-01-6 (0	SAM I DU X		
2				
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ELI is REQUIRED to provide preserv	ative traceability. If the	a preservatives supplied with the bottle order were NOT u	used, please attach your preservative info	ormation with this COC.
Custody Reginquished by (print) Record Add i McCyau	Pate/Time 13:34 pres	Signature Mand MNC usin Received by (print)	Date/Time	Signature
MUST Relinquished by (print) be signed	Date/Time	Signature Received by Laboratory	Prints V Baterlige 214 (324)	Signature The Man
		I ARORATORY LISE ON V		

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

ELI-COC-01/21 v.4

Receipt Number (cash/check only)

Amount \$

Payment Type Cash Check

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Receipt Temp °C

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Cooler ID(s)

Shipped By