



Midwest Laboratories  
13611 B Street  
Omaha, NE 68144  
P 402-334-7770  
F 402-334-9121  
www.midwestlabs.com

10 March 2022

Work Order: 1581037

DAVID SCHILLINGER  
CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073  
RE: Salmonella and Percent Solids

Enclosed are the results of analyses for samples received by the laboratory on 2022-03-01 10:11. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerri Stanek". The signature is written in a cursive, flowing style.

Kerri Stanek  
Project Manager  
kstanek@midwestlabs.com



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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:49

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22-01 Row 218	1581037-01	Solid	2022-02-28 13:00	2022-03-01 10:11
22-02 Row 218A	1581037-02	Solid	2022-02-28 13:00	2022-03-01 10:11
22-03 Row 219	1581037-03	Solid	2022-02-28 13:00	2022-03-01 10:11
22-04 Row 219A	1581037-04	Solid	2022-02-28 13:00	2022-03-01 10:11
22-05 Row 220	1581037-05	Solid	2022-02-28 13:00	2022-03-01 10:11
22-06 Row 220A	1581037-06	Solid	2022-02-28 13:00	2022-03-01 10:11
22-07 Row 221	1581037-07	Solid	2022-02-28 13:00	2022-03-01 10:11

**Containers used for the following analyses:**

- 1581037-01 A: EPA 1682, SM 2540 G
- 1581037-02 A: EPA 1682, SM 2540 G
- 1581037-03 A: EPA 1682, SM 2540 G
- 1581037-04 A: EPA 1682, SM 2540 G
- 1581037-05 A: EPA 1682, SM 2540 G
- 1581037-06 A: EPA 1682, SM 2540 G
- 1581037-07 A: EPA 1682, SM 2540 G

**Analysis Results Reviewed by:**

SM 2540 G reviewed by mgn8.

EPA 1682 reviewed by jzh4.



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:49
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**Sample ID: 22-01 Row 218**  
**Laboratory ID: 1581037-01**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	83.64 %	SM 2540 G	2022-03-03	2022-03-04	ljm8	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-02/14:35	2022-03-09/09:39	ljm8	(A)/ HT
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**Sample ID: 22-02 Row 218A**  
**Laboratory ID: 1581037-02**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
<b>Environmental Chemistry</b>									
Percent Solids		0.01	%	88.62 %	SM 2540 G	2022-03-03	2022-03-04	mmg9	(A)
<b>Microbiology</b>									
Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-02/14:35	2022-03-09/09:39	ljm8	(A)/ HT



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**Sample ID: 22-03 Row 219**  
**Laboratory ID: 1581037-03**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	86.64 %	SM 2540 G	2022-03-03	2022-03-04	lmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-02/14:35	2022-03-09/09:39	ljm8	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:49
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**Sample ID: 22-04 Row 219A**  
**Laboratory ID: 1581037-04**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	88.64 %	SM 2540 G	2022-03-03	2022-03-04	lmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-02/14:35	2022-03-09/09:39	ljm8	(A)/ HT
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**Sample ID: 22-05 Row 220**  
**Laboratory ID: 1581037-05**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	83.96 %	SM 2540 G	2022-03-03	2022-03-04	lmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-02/14:35	2022-03-09/09:39	ljm8	(A)/ HT
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**Sample ID: 22-06 Row 220A**  
**Laboratory ID: 1581037-06**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
<b>Environmental Chemistry</b>									
Percent Solids		0.01	%	80.98 %	SM 2540 G	2022-03-03	2022-03-04	mmg9	(A)
<b>Microbiology</b>									
Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-02/14:35	2022-03-09/09:39	ljm8	(A)/ HT





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**Sample ID: 22-07 Row 221**  
**Laboratory ID: 1581037-07**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
<b>Environmental Chemistry</b>									
Percent Solids		0.01	%	86.88 %	SM 2540 G	2022-03-03	2022-03-04	lmg9	(A)
<b>Microbiology</b>									
Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-02/14:35	2022-03-09/09:39	ljm8	(A)/ HT



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**Environmental Chemistry - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B918989</b>										
<b>Blank (B918989-BLK1)</b>										
				Prepared: 2022-03-03 Analyzed: 2022-03-04						
Percent Solids	99.98	0.01	%							
<b>LCS (B918989-BS1)</b>										
				Prepared: 2022-03-03 Analyzed: 2022-03-04						
Percent Solids	97.75	0.01	%	97.8		99.9	80-120			
<b>Duplicate (B918989-DUP1)</b>										
				Source: 1580033-01			Prepared: 2022-03-03 Analyzed: 2022-03-04			
Percent Solids	17.51	0.01	%		17.56			0.285	20	
<b>Duplicate (B918989-DUP2)</b>										
				Source: 1581053-01			Prepared: 2022-03-03 Analyzed: 2022-03-04			
Percent Solids	2.010	0.01	%		2.030			0.990	20	



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 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:49

**Certified Analyses included in this Report**

Method	Analyte	Certifications
<i>EPA 1682 in Solid</i>	Salmonella	FL,WA
<i>SM 2540 G in Solid</i>	Percent Solids	FL,IA,WA,UT,TX

Code	Description	Number	Expires
FL	Florida Department of Health	E87918	06/30/2022
IA	Iowa Department of Natural Resources	064	05/01/2023
KS	Kansas Department of Health and Environment	E-10402	04/30/2022
NE	State of Nebraska Dept of Health & Human Services	NE-04-05	06/30/2022
OK	Oklahoma Department of Environmental Quality	2021-011	08/31/2022
TX	Texas Commission on Environmental Quality	T104704416-21-15	07/31/2022
UT	State of Utah Department of Health	NE000012020-10	07/31/2022
WA	State of Washington Department of Ecology	C912	06/07/2022



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PO BOX C  
LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
2022-03-10 11:49

### Notes and Definitions

HT Hold time exceeded, not suitable for regulatory purposes.

< Less than reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

EPA 524.2, EPA 624, EPA 8260, OA-1, TCLP VOC, GRO, and all microbiological analyses are conducted in the facility located at 13606 B Street, Omaha, NE 68144. All other analyses are conducted in the main facility located at 13611 B Street, Omaha, NE 68144.



# Midwest Laboratories, Inc.

INV# 1581037

13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

ACCOUNT NUMBER 34024

CHAIN OF CUSTODY RECORD

SAMPLES FOR REGULATORY USE

Yes  No   
Yes  No

### REPORT & BILL TO

City of Laramie  
P.O. Box C  
Laramie, WY ZIP 82073  
PHONE (307) 721-5204

### IDENTIFICATION

City of Laramie  
P.O. Box C  
Laramie, WY ZIP 82073  
PHONE (307) 721-5204

### COPY TO

David Schillinger  
dschillinger@cityoflaramie.org  
PHONE (307) 721-5204

PROJ. NO. PROJECT NAME/COMPANY Compost

COMPANY: (Signature) City of Laramie

SAMPLER: (Signature) David Schillinger

SAMPLE ID/LOCATION	DATE	TIME	C O M P			G R A B			No of containers	Proper preservation (Y/N)	M A T R I X *	R E G U L A T O R Y (Y/N)
			P	A	B	A	B					

22-01 Row 218	2/28/22	1:00pm										X
22-02 Row 218A												X
22-03 Row 219												X
22-04 Row 219A												X
22-05 Row 220												X
22-06 Row 220A												X
22-07 Row 221												X



UNLABELED  
**1581037**  
**COC**  
Sticker #: 1



Relinquished by: (Signature)	Date/Time	Received by: (Signature)
<u>David Schillinger</u>	2/28/22 2:PM	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

Cooler arrived intact Yes  No

Temperature on Arrival (1/2C) 5.1 AN

Preserved in Field: Yes  No

Remarks:

Chain-of-Custody will have a signature upon receipt but no subsequent signatures Rev. 01/2010

Distribution: Original accompanies shipment; copy to Coordinator Field Files

\*Matrix Code: SO - Soil, WA - Water, SL - Sludge, OT - Other

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# Regulatory



This sheet **MUST** be filled out before samples can be processed. To ensure that holding times are met, it is your responsibility that a completed form comes attached to the Chain of Custody. Samples must be received on ice.

Is this sample for regulatory/permit reporting?  Yes  No

What city/state was your sample collected in?

Laramie, WY  
EPA

What agency/state are you reporting?

What type of sample? (Circle One)

- Drinking Water  For human consumption, 30 hr hold time
- Solid Waste**
- Hazardous Waste
- Ground Water
- Wastewater
- Storm Water
- Process Water
- Livestock
- UST

## SEE REVERSE SIDE FOR SAMPLING INSTRUCTIONS

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RC FORM 14-4 Effective 9.13.19



LABORATORY  
**1581037**  
**COC**  
 Sticker #: 3



Lab Number: \_\_\_\_\_

Thermometer Used: Therm Fisher IR 10

Sample Temperature (°C): 5.1

Cooler Intact:  Yes  No  
 Received on Ice:  Yes  No  
 Hand Delivered:  Yes  No

Date & Initials of person accepting samples: N 3/1/22

Comments

Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sample ID(s):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sample Location(s):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Client contact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Analysis Requested:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Date & Time of collection:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sampler name on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Chain of custody relinquished with signature?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Chain of custody complete?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sample labels match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Written in indelible ink?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Labels indicate proper preservation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Samples arrived within hold time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Samples arrived within correct temperature?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sufficient volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Appropriate containers used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Headspace in VOA vials?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Trip Blank present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A

Client Notification/Resolution: \_\_\_\_\_ Date/Time Contacted: \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Contacted By: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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10 March 2022

Work Order: 1581034

DAVID SCHILLINGER  
CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073  
RE: Salmonella and Percent Solids

Enclosed are the results of analyses for samples received by the laboratory on 2022-03-01 10:04. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerri Stanek". The signature is written in a cursive, flowing style.

Kerri Stanek  
Project Manager  
kstanek@midwestlabs.com





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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:48

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22-15 Row 226	1581034-01	Solid	2022-02-28 13:00	2022-03-01 10:04
22-16 Row 226A	1581034-02	Solid	2022-02-28 13:00	2022-03-01 10:04
22-17 Row 227	1581034-03	Solid	2022-02-28 13:00	2022-03-01 10:04
22-18 Row 227A	1581034-04	Solid	2022-02-28 13:00	2022-03-01 10:04
22-19 Row 228	1581034-05	Solid	2022-02-28 13:00	2022-03-01 10:04
22-20 Row 228A	1581034-06	Solid	2022-02-28 13:00	2022-03-01 10:04
22-21 Row 229	1581034-07	Solid	2022-02-28 13:00	2022-03-01 10:04

**Containers used for the following analyses:**

- 1581034-01 A: EPA 1682, SM 2540 G
- 1581034-02 A: EPA 1682, SM 2540 G
- 1581034-03 A: EPA 1682, SM 2540 G
- 1581034-04 A: EPA 1682, SM 2540 G
- 1581034-05 A: EPA 1682, SM 2540 G
- 1581034-06 A: EPA 1682, SM 2540 G
- 1581034-07 A: EPA 1682, SM 2540 G

**Analysis Results Reviewed by:**

SM 2540 G reviewed by mgn8.

EPA 1682 reviewed by jzh4.



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**Sample ID: 22-15 Row 226**  
**Laboratory ID: 1581034-01**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	86.15 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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**Sample ID: 22-16 Row 226A**  
**Laboratory ID: 1581034-02**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	85.22 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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**Sample ID: 22-17 Row 227**  
**Laboratory ID: 1581034-03**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
<b>Environmental Chemistry</b>									
Percent Solids		0.01	%	85.62 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
<b>Microbiology</b>									
Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-18 Row 227A**  
**Laboratory ID: 1581034-04**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	86.16 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-19 Row 228**  
**Laboratory ID: 1581034-05**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	79.09 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-20 Row 228A**  
**Laboratory ID: 1581034-06**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
<b>Environmental Chemistry</b>									
Percent Solids		0.01	%	80.09 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
<b>Microbiology</b>									
Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-21 Row 229**  
**Laboratory ID: 1581034-07**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	83.57 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:48

**Environmental Chemistry - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B918915</b>										
<b>Blank (B918915-BLK1)</b>										
					Prepared: 2022-03-01 Analyzed: 2022-03-02					
Percent Solids	99.98	0.01	%							
<b>LCS (B918915-BS1)</b>										
					Prepared: 2022-03-01 Analyzed: 2022-03-02					
Percent Solids	97.89	0.01	%	97.8		100	80-120			
<b>Duplicate (B918915-DUP1)</b>										
					Source: 1581033-01 Prepared: 2022-03-01 Analyzed: 2022-03-02					
Percent Solids	76.22	0.01	%		76.52			0.393	20	
<b>Duplicate (B918915-DUP2)</b>										
					Source: 1581033-02 Prepared: 2022-03-01 Analyzed: 2022-03-02					
Percent Solids	72.51	0.01	%		74.14			2.22	20	



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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:48

**Certified Analyses included in this Report**

Method	Analyte	Certifications
<i>EPA 1682 in Solid</i>	Salmonella	FL,WA
<i>SM 2540 G in Solid</i>	Percent Solids	FL,IA,WA,UT,TX

Code	Description	Number	Expires
FL	Florida Department of Health	E87918	06/30/2022
IA	Iowa Department of Natural Resources	064	05/01/2023
KS	Kansas Department of Health and Environment	E-10402	04/30/2022
NE	State of Nebraska Dept of Health & Human Services	NE-04-05	06/30/2022
OK	Oklahoma Department of Environmental Quality	2021-011	08/31/2022
TX	Texas Commission on Environmental Quality	T104704416-21-15	07/31/2022
UT	State of Utah Department of Health	NE000012020-10	07/31/2022
WA	State of Washington Department of Ecology	C912	06/07/2022



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CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
2022-03-10 11:48

### Notes and Definitions

HT Hold time exceeded, not suitable for regulatory purposes.

< Less than reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

EPA 524.2, EPA 624, EPA 8260, OA-1, TCLP VOC, GRO, and all microbiological analyses are conducted in the facility located at 13606 B Street, Omaha, NE 68144. All other analyses are conducted in the main facility located at 13611 B Street, Omaha, NE 68144.



# Midwest Laboratories, Inc.

MO#1581034

13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770 • FAX (402) 334-9121 • www.midwestlabs.com

ACCOUNT NUMBER 34024

CHAIN OF CUSTODY RECORD

SAMPLES FOR REGULATORY USE

Yes  No   
Yes  No

### REPORT & BILL TO

City of Laramie  
P.O. Box C  
Laramie, WY ZIP 82073  
PHONE (307) 721-5204

### IDENTIFICATION

Blank identification area

### COPY TO

David Schillinger  
dschillinger@cityoflaramie.org  
PHONE (307) 721-5204

PROJ. NO. PROJECT NAME/COMPANY: Compost

COMPANY: (Signature) City of Laramie

SAMPLER: (Signature) David Schillinger

SAMPLE ID/LOCATION DATE TIME

22-15 Row 226 2/28/22 1:00 PM

22-16 Row 226A

22-17 Row 227

22-18 Row 227A

22-19 Row 228

22-20 Row 228A

22-21 Row 229

No of containers  
Proper preservation (Y/N)  
M A T R I X  
R E G U L A T O R Y (Y/N)

Tests Requested: Salmonella  
4 e/o Solids  
Lab Number/Order# (Internal Use)

1581034  
COC  
Sticker #: 1

Relinquished by: (Signature) David Schillinger Date/Time 2/28/22 2:30 PM  
Received by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_  
Relinquished by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_  
Received by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_

Cooler arrived intact: Yes \_\_\_\_\_ No 5:10 PM  
Temperature on Arrival (°C) \_\_\_\_\_  
Preserved in Field: Yes \_\_\_\_\_ No \_\_\_\_\_

Remarks:

Chain-of-Custody will have a signature upon receipt but no subsequent signatures  
Distribution: Original accompanies shipment; copy to Coordinator Field Files  
Matrix Code: SO - Soil, WA - Water, SL - Sludge, OT - Other  
Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

Lab Number: \_\_\_\_\_



UNIVERSITY  
**1581034**  
**COC**  
 Sticker #: 2



Thermometer Used:  Therm Fisher IR 16

Sample Temperature (°C): 5.1°

Cooler Intact:  Yes  No  
 Received on Ice:  Yes  No  
 Hand Delivered:  Yes  No

Date & Initials of person accepting samples: M 3/1/22

Comments

Chain of Custody present?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Sample ID(s):	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Sample Location(s):	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Client contact:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Analysis Requested:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Date & Time of collection:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Sampler name on COC?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Chain of custody relinquished with signature?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Chain of custody complete?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Sample labels match COC?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Written in indelible ink?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Labels indicate proper preservation?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Samples arrived within hold time?	<input checked="" type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Samples arrived within correct temperature?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Sufficient volume?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Appropriate containers used?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A	
Filtered volume received for dissolved tests?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A	
Headspace in VOA vials?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A	
Trip Blank present?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	

Client Notification/Resolution: \_\_\_\_\_ Date/Time Contacted: \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Contacted By: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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10 March 2022

Work Order: 1581035

DAVID SCHILLINGER  
CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073  
RE: Salmonella and Percent Solids

Enclosed are the results of analyses for samples received by the laboratory on 2022-03-01 10:08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerri Stanek". The signature is written in a cursive, flowing style.

Kerri Stanek  
Project Manager  
kstanek@midwestlabs.com



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CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
2022-03-10 11:48

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22-08 Row 222	1581035-01	Solid	2022-02-28 13:00	2022-03-01 10:08
22-09 Row 222A	1581035-02	Solid	2022-02-28 13:00	2022-03-01 10:08
22-10 Row 223	1581035-03	Solid	2022-02-28 13:00	2022-03-01 10:08
22-11 Row 223A	1581035-04	Solid	2022-02-28 13:00	2022-03-01 10:08
22-12 Row 224	1581035-05	Solid	2022-02-28 13:00	2022-03-01 10:08
22-13 Row 224A	1581035-06	Solid	2022-02-28 13:00	2022-03-01 10:08
22-14 Row 225	1581035-07	Solid	2022-02-28 13:00	2022-03-01 10:08

#### Containers used for the following analyses:

1581035-01 A: EPA 1682, SM 2540 G  
1581035-02 A: EPA 1682, SM 2540 G  
1581035-03 A: EPA 1682, SM 2540 G  
1581035-04 A: EPA 1682, SM 2540 G  
1581035-05 A: EPA 1682, SM 2540 G  
1581035-06 A: EPA 1682, SM 2540 G  
1581035-07 A: EPA 1682, SM 2540 G

#### Analysis Results Reviewed by:

SM 2540 G reviewed by mgn8.

EPA 1682 reviewed by jzh4.



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-08 Row 222**  
**Laboratory ID: 1581035-01**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	82.88 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-09 Row 222A**  
**Laboratory ID: 1581035-02**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	84.62 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:48

**Sample ID: 22-10 Row 223**  
**Laboratory ID: 1581035-03**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
<b>Environmental Chemistry</b>									
Percent Solids		0.01	%	76.32 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
<b>Microbiology</b>									
Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-11 Row 223A**  
**Laboratory ID: 1581035-04**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	80.34 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-12 Row 224**  
**Laboratory ID: 1581035-05**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	74.90 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-13 Row 224A**  
**Laboratory ID: 1581035-06**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	72.89 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
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**Sample ID: 22-14 Row 225**  
**Laboratory ID: 1581035-07**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	73.80 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:48

**Environmental Chemistry - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B918915</b>										
<b>Blank (B918915-BLK1)</b>										
				Prepared: 2022-03-01 Analyzed: 2022-03-02						
Percent Solids	99.98	0.01	%							
<b>LCS (B918915-BS1)</b>										
				Prepared: 2022-03-01 Analyzed: 2022-03-02						
Percent Solids	97.89	0.01	%	97.8	100	80-120				
<b>Duplicate (B918915-DUP1)</b>										
				Source: 1581033-01			Prepared: 2022-03-01 Analyzed: 2022-03-02			
Percent Solids	76.22	0.01	%	76.52	0.393	20				
<b>Duplicate (B918915-DUP2)</b>										
				Source: 1581033-02			Prepared: 2022-03-01 Analyzed: 2022-03-02			
Percent Solids	72.51	0.01	%	74.14	2.22	20				
<b>Batch B918923</b>										
<b>Blank (B918923-BLK1)</b>										
				Prepared: 2022-03-01 Analyzed: 2022-03-02						
Percent Solids	99.98	0.01	%							
<b>LCS (B918923-BS1)</b>										
				Prepared: 2022-03-01 Analyzed: 2022-03-02						
Percent Solids	97.97	0.01	%	97.8	100	80-120				
<b>Duplicate (B918923-DUP1)</b>										
				Source: 1581038-01			Prepared: 2022-03-01 Analyzed: 2022-03-02			
Percent Solids	80.21	0.01	%	78.63	1.99	20				



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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:48

**Certified Analyses included in this Report**

Method	Analyte	Certifications
<i>EPA 1682 in Solid</i>	Salmonella	FL,WA
<i>SM 2540 G in Solid</i>	Percent Solids	FL,IA,WA,UT,TX

Code	Description	Number	Expires
FL	Florida Department of Health	E87918	06/30/2022
IA	Iowa Department of Natural Resources	064	05/01/2023
KS	Kansas Department of Health and Environment	E-10402	04/30/2022
NE	State of Nebraska Dept of Health & Human Services	NE-04-05	06/30/2022
OK	Oklahoma Department of Environmental Quality	2021-011	08/31/2022
TX	Texas Commission on Environmental Quality	T104704416-21-15	07/31/2022
UT	State of Utah Department of Health	NE000012020-10	07/31/2022
WA	State of Washington Department of Ecology	C912	06/07/2022





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CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
2022-03-10 11:48

### Notes and Definitions

HT Hold time exceeded, not suitable for regulatory purposes.

< Less than reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

EPA 524.2, EPA 624, EPA 8260, OA-1, TCLP VOC, GRO, and all microbiological analyses are conducted in the facility located at 13606 B Street, Omaha, NE 68144. All other analyses are conducted in the main facility located at 13611 B Street, Omaha, NE 68144.



**Midwest**

WR#1581035

**Laboratories, Inc.**

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ACCOUNT NUMBER \_\_\_\_\_

CHAIN OF CUSTODY RECORD

Yes  No \_\_\_\_\_

PURCHASE ORDER NUMBER \_\_\_\_\_

SAMPLES FOR REGULATORY USE

Yes  No \_\_\_\_\_

**REPORT & BILL TO**

**IDENTIFICATION**

**COPY TO**

City of Laramie  
P.O. Box C  
Laramie, WY ZIP 82013  
PHONE (307) 721-5204

City of Laramie  
P.O. Box C  
Laramie, WY ZIP 82013  
PHONE (307) 721-5204

David Schilling  
dschilling@cityoflaramie.org  
PHONE (307) 721-5204

PROJ. NO. \_\_\_\_\_

PROJECT NAME/COMPANY: Compost

COMPANY: (Signature) City of Laramie

SAMPLER: (Signature) David Schilling

SAMPLE ID/LOCATION	DATE	TIME	C O M P O S I T I O N			No of containers	Proper preservation (Y/N)	M A T R I X	R E G U L A T O R Y (Y/N)	Lab Number/Order # (Internal Use)
			C	O	M					

22-08 Row 222	2/28/22	1:00 PM	X			1		S	Y	X	Tests Requested <u>Salmonella + % Solids</u>
22-09 Row 222A						1		S	Y	X	
22-10 Row 223						1		S	Y	X	
22-11 Row 223A						1		S	Y	X	
22-12 Row 224						1		S	Y	X	
22-13 Row 224A						1		S	Y	X	
22-14 Row 225						1		S	Y	X	



1581035  
COC  
Sticker #: 1



Relinquished by: (Signature)	Date/Time	Received by: (Signature)
<u>David Schilling</u>	2/28/22 2:48 PM	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

Cooler arrived intact: Yes \_\_\_\_\_ No \_\_\_\_\_

Temperature on Arrival (°C) 5.1 °F

Preserved in Field: Yes \_\_\_\_\_ No \_\_\_\_\_

Remarks:

Chain-of-Custody will have a signature upon receipt but no subsequent signatures Rev. 01/2010  
Distribution: Original accompanies shipment copy to Coordinator Field Files  
\*Matrix Code: SO - Soil, WA - Water, SL - Sludge, OT - Other

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1581035  
COC  
Sticker #: 2



Lab Number: \_\_\_\_\_

Thermometer Used:  Therm Fisher IR 16

Sample Temperature (°C): 5.1°

Cooler Intact:  Yes  No  
 Received on Ice:  Yes  No  
 Hand Delivered:  Yes  No

Date & Initials of person accepting samples: M 3/1/22

Comments \_\_\_\_\_

Chain of Custody present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sample ID(s):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sample Location(s):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Client contact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Analysis Requested:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Date & Time of collection:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sampler name on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Chain of custody relinquished with signature?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Chain of custody complete?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sample labels match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Written in indelible ink?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Labels indicate proper preservation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Samples arrived within hold time?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Samples arrived within correct temperature?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sufficient volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Appropriate containers used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Filtered volume received for dissolved tests?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Headspace in VOA vials?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Trip Blank present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A

Client Notification/Resolution: \_\_\_\_\_ Date/Time Contacted: \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Contacted By: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Midwest Laboratories  
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10 March 2022

Work Order: 1581033

DAVID SCHILLINGER  
CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073  
RE: Salmonella and Percent Solids

Enclosed are the results of analyses for samples received by the laboratory on 2022-03-01 09:59. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerri Stanek". The signature is written in a cursive, flowing style.

Kerri Stanek  
Project Manager  
kstanek@midwestlabs.com



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CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
2022-03-10 11:48

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
22-22 Row 230	1581033-01	Solid	2022-02-28 13:00	2022-03-01 09:59
22-23 Row 230A	1581033-02	Solid	2022-02-28 13:00	2022-03-01 09:59
22-24 Row 231	1581033-03	Solid	2022-02-28 13:00	2022-03-01 09:59
22-25 Row 231A	1581033-04	Solid	2022-02-28 13:00	2022-03-01 09:59
22-26 Row 232	1581033-05	Solid	2022-02-28 13:00	2022-03-01 09:59
22-27 Row 232A	1581033-06	Solid	2022-02-28 13:00	2022-03-01 09:59
22-28 Row 233	1581033-07	Solid	2022-02-28 13:00	2022-03-01 09:59

#### Containers used for the following analyses:

1581033-01 A: EPA 1682, SM 2540 G  
1581033-02 A: EPA 1682, SM 2540 G  
1581033-03 A: EPA 1682, SM 2540 G  
1581033-04 A: EPA 1682, SM 2540 G  
1581033-05 A: EPA 1682, SM 2540 G  
1581033-06 A: EPA 1682, SM 2540 G  
1581033-07 A: EPA 1682, SM 2540 G

#### Analysis Results Reviewed by:

SM 2540 G reviewed by mgn8.

EPA 1682 reviewed by jzh4.



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
---	--	--------------------------------------

**Sample ID: 22-22 Row 230**  
**Laboratory ID: 1581033-01**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
---------	-------------------	-----------------	-------	--------------------	--------	----------	----------	---------	---------------------

**Environmental Chemistry**

Percent Solids		0.01	%	76.52 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
------------	---	-----	------------	----------	----------	------------------	------------------	------	---------



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
---	--	--------------------------------------

**Sample ID: 22-23 Row 230A**  
**Laboratory ID: 1581033-02**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	74.14 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
------------	---	-----	------------	----------	----------	------------------	------------------	------	---------



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
---	--	--------------------------------------

**Sample ID: 22-24 Row 231**  
**Laboratory ID: 1581033-03**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
<b>Environmental Chemistry</b>									
Percent Solids		0.01	%	69.93 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
<b>Microbiology</b>									
Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT





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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
---	--	--------------------------------------

**Sample ID: 22-25 Row 231A**  
**Laboratory ID: 1581033-04**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
<b>Environmental Chemistry</b>									
Percent Solids		0.01	%	71.23 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
<b>Microbiology</b>									
Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT



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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
---	--	--------------------------------------

**Sample ID: 22-26 Row 232**  
**Laboratory ID: 1581033-05**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
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**Environmental Chemistry**

Percent Solids		0.01	%	65.73 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
---	--	--------------------------------------

**Sample ID: 22-27 Row 232A**  
**Laboratory ID: 1581033-06**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
---------	-------------------	-----------------	-------	--------------------	--------	----------	----------	---------	---------------------

**Environmental Chemistry**

Percent Solids		0.01	%	69.09 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
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**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
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CITY OF LARAMIE WWTP - 34024 PO BOX C LARAMIE, WY 82073	Project: Salmonella and Percent Solids  Project Manager: DAVID SCHILLINGER	<b>Reported:</b> 2022-03-10 11:48
---	--	--------------------------------------

**Sample ID: 22-28 Row 233**  
**Laboratory ID: 1581033-07**  
**Sampled Date/Time: 2022-02-28 13:00**

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result	Method	Prepared	Analyzed	Analyst	(Container) / Notes
---------	-------------------	-----------------	-------	--------------------	--------	----------	----------	---------	---------------------

**Environmental Chemistry**

Percent Solids		0.01	%	68.36 %	SM 2540 G	2022-03-01	2022-03-02	mmg9	(A)
----------------	--	------	---	---------	-----------	------------	------------	------	-----

**Microbiology**

Salmonella	<	0.3	MPN/4g dry	< MPN/4g	EPA 1682	2022-03-01/14:11	2022-03-05/15:10	cjb1	(A)/ HT
------------	---	-----	------------	----------	----------	------------------	------------------	------	---------



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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:48

**Environmental Chemistry - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B918915</b>										
<b>Blank (B918915-BLK1)</b>					Prepared: 2022-03-01 Analyzed: 2022-03-02					
Percent Solids	99.98	0.01	%							
<b>LCS (B918915-BS1)</b>					Prepared: 2022-03-01 Analyzed: 2022-03-02					
Percent Solids	97.89	0.01	%	97.8		100	80-120			
<b>Duplicate (B918915-DUP1)</b>					Source: 1581033-01 Prepared: 2022-03-01 Analyzed: 2022-03-02					
Percent Solids	76.22	0.01	%		76.52			0.393	20	
<b>Duplicate (B918915-DUP2)</b>					Source: 1581033-02 Prepared: 2022-03-01 Analyzed: 2022-03-02					
Percent Solids	72.51	0.01	%		74.14			2.22	20	



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CITY OF LARAMIE WWTP - 34024  
 PO BOX C  
 LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
 2022-03-10 11:48

**Certified Analyses included in this Report**

Method	Analyte	Certifications
<i>EPA 1682 in Solid</i>	Salmonella	FL,WA
<i>SM 2540 G in Solid</i>	Percent Solids	FL,IA,WA,UT,TX

Code	Description	Number	Expires
FL	Florida Department of Health	E87918	06/30/2022
IA	Iowa Department of Natural Resources	064	05/01/2023
KS	Kansas Department of Health and Environment	E-10402	04/30/2022
NE	State of Nebraska Dept of Health & Human Services	NE-04-05	06/30/2022
OK	Oklahoma Department of Environmental Quality	2021-011	08/31/2022
TX	Texas Commission on Environmental Quality	T104704416-21-15	07/31/2022
UT	State of Utah Department of Health	NE000012020-10	07/31/2022
WA	State of Washington Department of Ecology	C912	06/07/2022



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CITY OF LARAMIE WWTP - 34024  
PO BOX C  
LARAMIE, WY 82073

Project: Salmonella and Percent Solids

Project Manager: DAVID SCHILLINGER

**Reported:**  
2022-03-10 11:48

### Notes and Definitions

HT Hold time exceeded, not suitable for regulatory purposes.

< Less than reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

EPA 524.2, EPA 624, EPA 8260, OA-1, TCLP VOC, GRO, and all microbiological analyses are conducted in the facility located at 13606 B Street, Omaha, NE 68144. All other analyses are conducted in the main facility located at 13611 B Street, Omaha, NE 68144.



# Midwest Laboratories, Inc.

IND# 1581033

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ACCOUNT NUMBER 34024

CHAIN OF CUSTODY RECORD

SAMPLES FOR REGULATORY USE

Yes  No   
Yes  No

### REPORT & BILL TO

City of Laramie  
P.O. Box C  
Laramie, WY ZIP 82073  
PHONE (307) 721-5204

### IDENTIFICATION

City of Laramie  
P.O. Box C  
Laramie, WY ZIP 82073  
PHONE (307) 721-5204

### COPY TO

David Schilling  
dschilling@cityoflaramie.org  
ZIP  
PHONE (307) 721-5204

PROJ. NO. PROJECT NAME/COMPANY: Compost

COMPANY: (Signature) City of Laramie

SAMPLER: (Signature) David Schilling

SAMPLE ID/LOCATION DATE TIME C O M P G R A B

No of containers  
Proper preservation (Y/N)  
M A T R I X  
R E G U L A T O R Y (Y/N)

Salmonella 4/0 Solids  
Taxis Resistant  
Lab Number/Order # (Internal Use)

22-22 Row 230	2/28/22	1:00 PM	X	1	S	Y	X
22-23 Row 230A				1	S		X
22-24 Row 231				1	S		X
22-25 Row 231A				1	S		X
22-26 Row 232				1	S		X
22-27 Row 232A				1	S		X
22-28 Row 233				1	S		X



1581033  
COC  
Sticker #: 1



Relinquished by: (Signature) David Schilling Date/Time 2/28/22 2 PM Received by: (Signature) \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_  
 Relinquished by: (Signature) \_\_\_\_\_ Date/Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_

Cooler arrived intact: Yes \_\_\_\_\_ No 5:10 PM  
Temperature on Arrival (°C) \_\_\_\_\_  
Preserved in Field: Yes \_\_\_\_\_ No \_\_\_\_\_

Remarks:

Chain-of-Custody will have a signature upon receipt but no subsequent signatures  
Distribution: Original accompanies shipment; copy to Coordinator Field Files  
\*Matrix Code: SO - Soil, WA - Water, SL - Sludge, OT - Other

Rev. 01/2010

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Lab Number: \_\_\_\_\_



LABORATORY  
**1581033**  
**COC**  
Sticker #: 2



**Sample Acceptance Checklist**  
Document Number: RC CHKLIST 0  
Revision No

Effective Date: 1/31/20

Page 1 of 1

Thermometer Used:  Therm Fisher IR 16

Sample Temperature (°C): 5.1°

Cooler Intact:  Yes  No  
Received on Ice:  Yes  No  
Hand Delivered:  Yes  No

Date & Initials of person accepting samples: AV 3/1/22

Comments

Chain of Custody present?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Sample ID(s):	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Sample Location(s):	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Client contact:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Analysis Requested:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Date & Time of collection:	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Sampler name on COC?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Chain of custody relinquished with signature?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Chain of custody complete?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Sample labels match COC?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Written in indelible ink?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Labels indicate proper preservation?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Samples arrived within hold time?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A
Samples arrived within correct temperature?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Sufficient volume?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Appropriate containers used?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
Filtered volume received for dissolved tests?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A
Headspace in VOA vials?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	N/A
Trip Blank present?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A

Client Notification/Resolution: Date/Time Contacted: \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Contacted By: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

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