

Jamie Belcourt (adpce.ad)

From: Jamie Belcourt (adpce.ad)
Sent: Thursday, May 4, 2023 8:50 AM
To: npw@nashar.org; kevinashville26@yahoo.com
Cc: Stacie Wassell (adpce.ad); Richard Healey (adpce.ad); Bryan Leamons (adpce.ad); David Ramsey (adpce.ad)
Subject: City of Nashville - AR0021776 - Annual Pretreatment Report
Importance: High

Mr. Dunaway,

The City of Nashville's (Nashville) Annual Pretreatment Report (NPDES AR0021776) for the January 1, 2022, through December 31, 2022 reporting year, has been received and reviewed. The Annual Pretreatment Report was due to DEQ on February 28, 2023. Nashville submitted the Report to DEQ on April 5, 2023.

During initial review of the report, the following issues were noted:

1. Non-detect (N/D) was reported for several parameters for multiple quarters. Results must be reported as indicated by the laboratory's report. For each analytical result that is less than the EPA MQL or the Detection Level Achieved, please indicate that within the specific quarter on all future reports (e.g.,
2. The method used by the laboratory must be indicated for each parameter. In the 2022 Report, the method reported for arsenic analysis was EPA Method 335.3; however, the laboratory analytical report indicated that EPA Method 200.8 was used for analysis of arsenic.

On April 11, 2023, DEQ requested the laboratory reports with the influent sampling analytical data for November 30, 2022, and the effluent sampling analytical data for the samples taken on March 11, 2022, May 13, 2022, and December 14, 2022. DEQ received the requested laboratory reports on April 21, 2023. DEQ reviewed the laboratory reports and noted the following issues of concern:

1. Influent data, November 2022: Mercury was detected at 1.81 µg/L. This measurement was verified by the laboratory report that was submitted. The MAHC for mercury for your facility is 1 µg/L.
 - DEQ requests that Nashville address the mercury exceedance of the MAHC by investigating the cause of the high mercury result and identifying any noncomplying industries.
 - Please provide a response detailing Nashville's investigation into the cause and documentation of any industrial user (IU) not in compliance.
2. Effluent data, March 11, 2022: The pretreatment annual report indicates that mercury was detected at 0.0000129 µg/L. However, the laboratory report provided reported this value in mg/L. The correct conversion to µg/L yields a result of 0.0129 µg/L. Please be sure to report the correct converted value in µg/L in future reports. In addition, please specify if the WQ level/limit is a limit set by Nashville so that it is not confused with an EPA or DEQ water quality standard or criteria. Further, the report indicates that cyanide was detected at 9.2 µg/L. This measurement was verified by the laboratory report that was submitted.
3. Effluent data, May 13, 2022: The pretreatment annual report indicates that mercury was detected at 0.0000798 µg/L. However, the laboratory report provided reported this value in mg/L. The correct conversion to µg/L yields a result of 0.0798 µg/L. Please be sure to indicate the correct converted value in µg/L in future reports. In addition, please specify if the WQ level/limit is a limit set by Nashville so that it is not confused with an EPA or DEQ water quality standard or criteria.

Please respond to this email to let me know you have received it.

Thank you,

Jamie Belcourt | State Pretreatment Coordinator
Division of Environmental Quality | **Office of Water Quality**
Policy and Administration

5301 Northshore Drive | North Little Rock, AR 72118

t: 501.682.0858 | c: 501.287.8714 | e: jamie.belcourt@adeq.state.ar.us



ATTACHMENT C
PRETREATMENT PERFORMANCE SUMMARY (PPS)

NOTE: ALL QUESTIONS REFER TO THE INDUSTRIAL PRETREATMENT PROGRAM AS APPROVED BY ADEQ. THE PERMITTEE SHOULD NOT ANSWER THE QUESTIONS BASED ON CHANGES MADE TO THE APPROVED PROGRAM WITHOUT DEPARTMENT AUTHORIZATION.

I. General Information

Control Authority Name: City of Nashville

Address 426 N/main

City Nashville State/Zip AR 71852

Contact Person Larry Dunaway Position Mayor

Contact Telephone 870845-4570 NPDES Permit Nos. AR0021776

Reporting Period Jan 1st 2022 Dec 31, 2022

(Beginning Month, day and Year) (Ending Month, day and Year)

Total Number of Categorical IUs 2

Total Number of Significant Noncategorical IUs 0

Total Number of Non-Significant (yet permitted) IUs 0

II. Significant Industrial User Compliance

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of SIUs Submitting BMRs/Total No. Required.	<u>0/0</u>	<u>N/A*</u>
2) No. of SIUs Submitting 90-Day Compliance Reports / No. Required.	<u>0/0</u>	<u>N/A*</u>
3) No. of SIUs Submitting Semiannual Reports / Total No. Required.	<u>2/2</u>	<u>1</u>
4) No. of SIUs Meeting Compliance Schedule / Total No. Required to Meet Schedule	<u>0/0</u>	<u>1</u>
5) No. of SIUs in Significant Noncompliance / Total No. of SIUs	<u>0/0</u>	<u>1</u>
6) Rate (%) of Significant Noncompliance for all SIUs (categorical and noncategorical) . . .	<u>0/0</u>	<u>0/0</u>

III. Compliance Monitoring Program

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of Control Documents Issued / Total No. Required.	<u>2/2</u>	<u>0/0</u>
2) No. of Non-sampling Inspections Conducted / Total No. Required.	<u>0/0</u>	<u>0/0</u>
3) No. of Sampling Visits Conducted / Total No. Required.	<u>2/2</u>	<u>0/0</u>
4) No. of Facilities Inspected (nonsampling) / Total No. Required.	<u>0/0</u>	<u>0/0</u>
5) No. of Facilities Sampled / Total No. Required.	<u>2/2</u>	<u>0/0</u>

IV. Enforcement Actions

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of Compliance Schedules Issued/No. of Schedules Required	<u>0/0</u>	<u>0/0</u>
2) No. of Notices of Violations Issued to SIUs	<u>0/0</u>	<u>0</u>
3) No. of Administrative Orders Issued to SIUs	<u>0</u>	<u>0</u>
4) No. of Civil Suits Filed.	<u>0</u>	<u>0</u>
5) No. of Criminal Suits Filed	<u>0</u>	<u>0</u>
6) No. of Significant Violators (attach newspaper publication).	<u>0</u>	<u>0</u>
7) Amount of Penalties (not surcharges) Collected (total dollars/IUs assessed)	<u>0/0</u>	<u>0/0</u>
8) Other Actions (sewer bans, etc.).	<u>0</u>	<u>0</u>

The following certification must be signed in order for this form to be considered complete:

I certify that the information contained herein is complete and accurate to the best of my knowledge.

Larry Dunaway
 Authorized Representative Date 3-7-23

ATTACHMENT A
 PRETREATMENT PROGRAM STATUS REPORT
 UPDATED SIGNIFICANT INDUSTRIAL USERS LIST

Industrial User Name	SIC/NAICS Code	40 CFR XXX or N/A	Control Document		New User	Times Inspected	Times Sampled	Compliance Status (N/A, C, NC, or SNC)				Per (der para viol & nu of t:
			Y/N	Last Action				BMR	90-day Compliance	Semi Annual	Self Monitoring	
Jan_Eze	3474	433-17	Y	N/A	-	1	1	C	C	C	C	
		PSNS										
Husqvarna	3474	433-17	Y	N/A	-	1	1	C	C	C	C	
		PSNS										

Include NAICS code(s)
 3rd column - include the CFR # only if the Category has Pretreatment Standards (numeric or narrative)
 Please footnote N/A reason

Jamie Belcourt (adpce.ad)

From: Kevin Funderburk <kevinnashville26@yahoo.com>
Sent: Thursday, April 13, 2023 1:48 PM
To: Jamie Belcourt (adpce.ad)
Subject: Table II Samples Requested
Attachments: Table III Samples 2022.zip

Mrs. Belcourt:

Here is the Influent November 30, 2022 sample date and the Effluent Sample data from March 11, 2022, May 13, 2022, and December 14, 2022. This data is in the attached folder.

Thank you,

Kevin Funderburk

Jamie Belcourt (adpce.ad)

From: Kevin Funderburk <kevinnashville26@yahoo.com>
Sent: Friday, April 21, 2023 2:54 PM
To: Jamie Belcourt (adpce.ad); Larry Dunaway
Subject: Table III Information
Attachments: Table III Samples 2022.zip

Follow Up Flag: Follow up
Flag Status: Flagged

Mrs. Belcourt:

Here is the information that you requested.

Thank You,

Kevin Funderburk



NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Printed 04/13/2023 11:18

TABLE OF CONTENTS

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SAMPLE CROSS REFERENCE

Project
1036598

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Printed 4/13/2023 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2148330	Influent Table III Grab/QTR IV	11/30/2022	07:00:00	11/30/2022

Bottle 01 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 02 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 03 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1038148) Volume: 10.00000 mL <== Derived from 02 (5 ml)
 Bottle 04 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1038094) Volume: 50.00000 mL <== Derived from 01 (50 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ E-2016	03	1038148	12/05/2022	1038619	12/07/2022
SM 4500-CN ⁻ E-2016			12/07/2022		12/07/2022
EPA 420.4 1	04	1038094	12/05/2022	1038789	12/08/2022

Sample	Sample ID	Taken	Time	Received
2148331	Influent Table III Comp/QTR IV	11/30/2022	07:00:00	11/30/2022

Bottle 01 HNO3 to pH <2 Polyethylene 500 mL for Metals
 Bottle 02 Client supplied HCl Clean Metals Bottle
 Bottle 03 Prepared Bottle: Mercury Preparation for Metals (Batch 1037990) Volume: 50.00000 mL <== Derived from 02 (47 ml)
 Bottle 04 Prepared Bottle: ICP Preparation for Metals (Batch 1038559) Volume: 50.00000 mL <== Derived from 01 (50 ml)
 Bottle 05 Prepared Bottle: Mercury Preparation for Metals (Batch 1039709) Volume: 50.00000 mL <== Derived from 02 (1 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	04	1038559	12/07/2022	1038940	12/08/2022
EPA 200.8 5.4	04	1038559	12/07/2022	1040533	12/19/2022
EPA 245.7 2	05	1039709	12/14/2022	1039840	12/14/2022
EPA 200.8 5.4	04	1038559	12/07/2022	1041420	12/27/2022



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1036598

Report Date: 12/28/2022
 Printed: 04/13/2023

RESULTS

Sample Results

2148330 Influent Table III Grab/QTR IV 4 Part Grab Received: 11/30/2022

Non-Potable Water Collected by: Client City of Nashville PO:
 Taken: 11/30/2022 07:00:00

Sample 1: Date: 11-29-22 Time: 0700 Tech: K F CNa, Phna
 Sample 2: Date: 11-29-22 Time: 1500 Tech: K F CNa, Phna
 Sample 3: Date: 11-29-22 Time: 2300 Tech: K F CNa, Phna
 Sample 4: Date: 11-30-22 Time: 0700 Tech: K F CNa, Phna
 Composite in lab

EPA 420.4 1		Prepared:	1038094	12/05/2022	09:29:53	Analyzed	1038789	12/08/2022	06:45:00	AMB
Parameter	Results	Units	RL	Flags	CAS	Bottle				
NELAC Phenolics, Total Recoverable	0.011	mg/L	0.005			04				

SM 4500-CN ⁻ E-2016		Prepared:	12/07/2022	17:01:14	Calculated	12/07/2022	17:01:14	CAL
Parameter	Results	Units	RL	Flags	CAS	Bottle		
z Cyanide in ug/calculation	<2.38	ppb	2.38					

SM 4500-CN ⁻ E-2016		Prepared:	1038148	12/05/2022	11:50:42	Analyzed	1038619	12/07/2022	09:39:00	AMB
Parameter	Results	Units	RL	Flags	CAS	Bottle				
NELAC Cyanide, total	<0.00238	mg/L	0.00238			03				

2148331 Influent Table III Comp/QTR IV Comp: 11/29 0700 - 11/30 0700 Received: 11/30/2022

Non-Potable Water Collected by: Client City of Nashville PO:
 Composite Stop 07:00 11/30/22 Taken: 11/30/2022 07:00:00

client provides their own sampler

LL Mercury Test Prep		Prepared:	12/01/2022	09:33:36	Calculated	12/01/2022	09:33:36	CAL
Parameter	Results	Units	RL	Flags	CAS	Bottle		
z LL Mercury Test Prep	Verified							

EPA 200.8 5.4		Prepared:	1038559	12/07/2022	09:30:00	Analyzed	1038940	12/08/2022	12:46:00	JC2
Parameter	Results	Units	RL	Flags	CAS	Bottle				



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1036598

Report Date: 12/28/2022
 Printed: 04/13/2023

2148331 Influent Table III Comp/QTR IV

Comp: 11/29 0700 - 11/30 0700

Received: 11/30/2022

Non-Potable Water Collected by: Client City of Nashville
 Composite Stop 07:00 11/30/22 Taken: 11/30/2022 07:00:00

PO:

client provides their own sampler

EPA 200.8 5.4 Prepared: 1038559 12/07/2022 09:30:00 Analyzed 1038940 12/08/2022 12:46:00 JC2

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Arsenic, Total	<0.000902	mg/L	0.000902		7440-38-2	04
NELAC Beryllium, Total	<0.000162	mg/L	0.000162		7440-41-7	04
NELAC Cadmium, Total	<0.00012	mg/L	0.00012		7440-43-9	04
NELAC Copper, Total	0.00891	mg/L	0.001	B	7440-50-8	04
NELAC Lead, Total	<0.0005	mg/L	0.0005		7439-92-1	04
NELAC Nickel, Total	0.00357	mg/L	0.001		7440-02-0	04
NELAC Silver, Total	<0.000276	mg/L	0.000276		7440-22-4	04
NELAC Thallium, Total	<0.000966	mg/L	0.000966		7440-28-0	04
NELAC Zinc, Total	0.0994	mg/L	0.001		7440-66-6	04

EPA 200.8 5.4 Prepared: 1038559 12/07/2022 09:30:00 Analyzed 1040533 12/19/2022 22:44:00 ESG

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Chromium, Total	0.00275	mg/L	0.001		7440-47-3	04

EPA 200.8 5.4 Prepared: 1038559 12/07/2022 09:30:00 Analyzed 1041420 12/27/2022 20:04:00 JC2

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Antimony, Total	0.00127	mg/L	0.003	J	7440-36-0	04
NELAC Molybdenum, Total	0.000604	mg/L	0.001	J	7439-98-7	04
NELAC Selenium, Total	<0.00294	mg/L	0.00294		7782-49-2	04

EPA 245.72 Prepared: 1039709 12/14/2022 09:15:00 Analyzed 1039840 12/14/2022 18:44:00 ALH

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Mercury, Total (low level)	0.00181	mg/L	0.0002		7439-97-6	05

Sample Preparation

2148330 Influent Table III Grab/QTR IV

4 Part Grab

Received: 11/30/2022

11/30/2022



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City of Nashville
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 426 N Main
 Nashville, AR 71852-

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2148330 Influent Table III Grab/QTR IV 4 Part Grab Received: 11/30/2022
 11/30/2022

EPA 420.4 1 Prepared: 1038094 12/05/2022 09:29:53 Analyzed 1038094 12/05/2022 09:29:53 LAK

NELAC Phenol Distillation 50/50 ml 01

SM 4500-CN⁻C-2016 Prepared: 1038148 12/05/2022 11:50:42 Analyzed 1038148 12/05/2022 11:50:42 LAK

NELAC Cyanide Distillation 10/5 ml 02

2148331 Influent Table III Comp/QTR IV Comp: 11/29 0700 - 11/30 0700 Received: 11/30/2022

Composite Stop 07:00 11/30/22 11/30/2022

Prepared: 12/01/2022 10:01:15 Calculated 12/01/2022 10:01:15 CAL

z Environmental Fee (per Project) Verified

EPA 200.2.2.8 Prepared: 1038559 12/07/2022 09:30:00 Analyzed 1038559 12/07/2022 09:30:00 TES

z Liquid Metals Digestion 50/50 ml 01

EPA 245.7.2 Prepared: 1037990 12/02/2022 13:35:00 Analyzed 1037990 12/02/2022 13:35:00 ALH

NELAC Low Level Mercury Liquid Metals 50/47 ml 02

EPA 245.7.2 Prepared: 1039709 12/14/2022 09:15:00 Analyzed 1039709 12/14/2022 09:15:00 ALH

NELAC Low Level Mercury Liquid Metals 50/1 ml 02



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City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Project
1036598

Report Date: 12/28/2022
Printed: 04/13/2023

Qualifiers:

J - Analyte detected below quantitation limit

B - Analyte detected in the associated method blank

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see <https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Trey Peery, MA, Project Manager



QUALITY CONTROL

NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1036598

Printed 04/13/2023

Analytical Set **1038619**

SM 4500-CN E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1038148	ND	0.00119	0.0025	mg/L	124361900

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.503	0.500	mg/L	101	90.0 - 110	124361899
Cyanide, total	0.499	0.500	mg/L	99.8	90.0 - 110	124361909
Cyanide, total	0.501	0.500	mg/L	100	90.0 - 110	124361920
Cyanide, total	0.501	0.500	mg/L	100	90.0 - 110	124361926
Cyanide, total	0.502	0.500	mg/L	100	90.0 - 110	124361927
Cyanide, total	0.502	0.500	mg/L	100	90.0 - 110	124361928

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2148733	ND	ND	mg/L		20.0
Cyanide, total	2148805	ND	0.0018	mg/L	200 *	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.203	0.200	mg/L	102	90.0 - 110	124361898

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1038148	0.195	0.196	0.200	90.0 - 110	97.5	98.0	mg/L	0.512	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2148733	0.388	ND	0.400	mg/L	97.0	90.0 - 110	124361905
Cyanide, total	2148805	0.392	0.0018	0.400	mg/L	98.0	90.0 - 110	124361908

Analytical Set **1038789**

EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1038094	ND	0.00422	0.005	mg/L	124367171

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.198	0.200	mg/L	99.0	90.0 - 110	124367170
Phenolics, Total Recoverable	0.209	0.200	mg/L	104	90.0 - 110	124367178
Phenolics, Total Recoverable	0.214	0.200	mg/L	107	90.0 - 110	124367179

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Phenolics, Total Recoverable	2147442	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
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QUALITY CONTROL

NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
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1036598

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ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.212	0.200	mg/L	106	90.0 - 110	124367169

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1038094	0.197	0.195	0.200	90.0 - 110	98.5	97.5	mg/L	1.02	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Phenolics, Total Recoverable	2147442	0.210	ND	0.200	mg/L	105	90.0 - 110	124367176

Analytical Set 1038940

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Arsenic, Total	1038559	ND	0.000902	0.003	mg/L	124370421
Beryllium, Total	1038559	ND	0.000162	0.001	mg/L	124370421
Cadmium, Total	1038559	ND	0.00012	0.001	mg/L	124370421
Copper, Total	1038559	0.00157	0.000325	0.001	mg/L	124370421 *
Lead, Total	1038559	ND	0.000549	0.001	mg/L	124370421
Molybdenum, Total	1038559	0.00244	0.000155	0.001	mg/L	124370421 *
Nickel, Total	1038559	ND	0.000154	0.001	mg/L	124370421
Silver, Total	1038559	ND	0.000276	0.001	mg/L	124370421
Thallium, Total	1038559	ND	0.000966	0.001	mg/L	124370421
Zinc, Total	1038559	ND	0.000844	0.001	mg/L	124370421

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0505	0.05	mg/L	101	90.0 - 110	124370297
Arsenic, Total	0.0505	0.05	mg/L	101	90.0 - 110	124370308
Arsenic, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	124370318
Arsenic, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	124370329
Arsenic, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	124370405
Arsenic, Total	0.0509	0.05	mg/L	102	90.0 - 110	124370415
Arsenic, Total	0.0501	0.05	mg/L	100	90.0 - 110	124370425
Arsenic, Total	0.049	0.05	mg/L	98.0	90.0 - 110	124370434
Arsenic, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	124370445
Arsenic, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	124370454
Arsenic, Total	0.050	0.05	mg/L	100	90.0 - 110	124370464
Arsenic, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	124370473
Arsenic, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	124370483
Arsenic, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	124370485
Beryllium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	124370415
Beryllium, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	124370425
Beryllium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	124370434
Beryllium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	124370445
Cadmium, Total	0.0502	0.05	mg/L	100	90.0 - 110	124370405
Cadmium, Total	0.0529	0.05	mg/L	106	90.0 - 110	124370415



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Parameter	Reading	Known	Units	Recover%	Limits%	File
Cadmium, Total	0.0517	0.05	mg/L	103	90.0 - 110	124370425
Cadmium, Total	0.0512	0.05	mg/L	102	90.0 - 110	124370434
Cadmium, Total	0.0527	0.05	mg/L	105	90.0 - 110	124370445
Copper, Total	0.0519	0.05	mg/L	104	90.0 - 110	124370373
Copper, Total	0.0506	0.05	mg/L	101	90.0 - 110	124370383
Copper, Total	0.0508	0.05	mg/L	102	90.0 - 110	124370394
Copper, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	124370405
Copper, Total	0.0518	0.05	mg/L	104	90.0 - 110	124370415
Copper, Total	0.0511	0.05	mg/L	102	90.0 - 110	124370425
Copper, Total	0.0507	0.05	mg/L	101	90.0 - 110	124370434
Copper, Total	0.0515	0.05	mg/L	103	90.0 - 110	124370445
Copper, Total	0.0532	0.05	mg/L	106	90.0 - 110	124370454
Copper, Total	0.0521	0.05	mg/L	104	90.0 - 110	124370464
Copper, Total	0.051	0.05	mg/L	102	90.0 - 110	124370473
Copper, Total	0.0517	0.05	mg/L	103	90.0 - 110	124370483
Copper, Total	0.0524	0.05	mg/L	105	90.0 - 110	124370485
Lead, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	124370297
Lead, Total	0.049	0.05	mg/L	98.0	90.0 - 110	124370308
Lead, Total	0.050	0.05	mg/L	100	90.0 - 110	124370318
Lead, Total	0.0503	0.05	mg/L	101	90.0 - 110	124370329
Lead, Total	0.053	0.05	mg/L	106	90.0 - 110	124370373
Lead, Total	0.0521	0.05	mg/L	104	90.0 - 110	124370383
Lead, Total	0.0514	0.05	mg/L	103	90.0 - 110	124370394
Lead, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	124370405
Lead, Total	0.0532	0.05	mg/L	106	90.0 - 110	124370415
Lead, Total	0.0519	0.05	mg/L	104	90.0 - 110	124370425
Lead, Total	0.0517	0.05	mg/L	103	90.0 - 110	124370434
Lead, Total	0.0538	0.05	mg/L	108	90.0 - 110	124370445
Lead, Total	0.0528	0.05	mg/L	106	90.0 - 110	124370454
Lead, Total	0.0523	0.05	mg/L	105	90.0 - 110	124370473
Lead, Total	0.0529	0.05	mg/L	106	90.0 - 110	124370483
Lead, Total	0.054	0.05	mg/L	108	90.0 - 110	124370485
Nickel, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	124370405
Nickel, Total	0.0516	0.05	mg/L	103	90.0 - 110	124370415
Nickel, Total	0.0512	0.05	mg/L	102	90.0 - 110	124370425
Nickel, Total	0.0509	0.05	mg/L	102	90.0 - 110	124370434
Nickel, Total	0.0512	0.05	mg/L	102	90.0 - 110	124370445
Nickel, Total	0.0527	0.05	mg/L	105	90.0 - 110	124370454
Nickel, Total	0.0515	0.05	mg/L	103	90.0 - 110	124370464
Nickel, Total	0.0507	0.05	mg/L	101	90.0 - 110	124370473
Silver, Total	0.0511	0.05	mg/L	102	90.0 - 110	124370425
Silver, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	124370434
Silver, Total	0.0513	0.05	mg/L	103	90.0 - 110	124370445
Silver, Total	0.0506	0.05	mg/L	101	90.0 - 110	124370454
Thallium, Total	0.0509	0.05	mg/L	102	90.0 - 110	124370425



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Parameter	Reading	Known	Units	Recover%	Limits%	File
Thallium, Total	0.0504	0.05	mg/L	101	90.0 - 110	124370434
Thallium, Total	0.0529	0.05	mg/L	106	90.0 - 110	124370445
Thallium, Total	0.0521	0.05	mg/L	104	90.0 - 110	124370454
Thallium, Total	0.0539	0.05	mg/L	108	90.0 - 110	124370464
Thallium, Total	0.0517	0.05	mg/L	103	90.0 - 110	124370473
Zinc, Total	0.0531	0.05	mg/L	106	90.0 - 110	124370415
Zinc, Total	0.0525	0.05	mg/L	105	90.0 - 110	124370425
Zinc, Total	0.052	0.05	mg/L	104	90.0 - 110	124370434
Zinc, Total	0.0537	0.05	mg/L	107	90.0 - 110	124370445
Zinc, Total	0.0546	0.05	mg/L	109	90.0 - 110	124370454
Zinc, Total	0.0538	0.05	mg/L	108	90.0 - 110	124370464
Zinc, Total	0.0536	0.05	mg/L	107	90.0 - 110	124370473
Zinc, Total	0.0532	0.05	mg/L	106	90.0 - 110	124370483

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	124370289
Beryllium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	124370289
Cadmium, Total	0.0508	0.05	mg/L	102	90.0 - 110	124370289
Copper, Total	0.0507	0.05	mg/L	101	90.0 - 110	124370289
Lead, Total	0.0507	0.05	mg/L	101	90.0 - 110	124370289
Nickel, Total	0.0512	0.05	mg/L	102	90.0 - 110	124370289
Silver, Total	0.050	0.05	mg/L	100	90.0 - 110	124370289
Thallium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	124370289
Zinc, Total	0.0513	0.05	mg/L	103	90.0 - 110	124370289

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Arsenic, Total	1038559	0.511	0.500	0.500	85.0 - 115	102	100	mg/L	2.18	20.0
Beryllium, Total	1038559	0.197	0.191	0.200	85.0 - 115	98.5	95.5	mg/L	3.09	20.0
Cadmium, Total	1038559	0.260	0.251	0.250	85.0 - 115	104	100	mg/L	3.52	20.0
Copper, Total	1038559	0.514	0.507	0.500	85.0 - 115	103	101	mg/L	1.37	20.0
Lead, Total	1038559	0.495	0.479	0.500	85.0 - 115	99.0	95.8	mg/L	3.29	20.0
Molybdenum, Total	1038559	0.536	0.536	0.500	85.0 - 115	107	107	mg/L	0	20.0
Nickel, Total	1038559	0.519	0.513	0.500	85.0 - 115	104	103	mg/L	1.16	20.0
Silver, Total	1038559	0.103	0.0996	0.100	85.0 - 115	103	99.6	mg/L	3.36	20.0
Thallium, Total	1038559	0.495	0.474	0.500	85.0 - 115	99.0	94.8	mg/L	4.33	20.0
Zinc, Total	1038559	0.520	0.514	0.500	85.0 - 115	104	103	mg/L	1.16	20.0

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.00103	0.001	mg/L	103	25.0 - 175	124370290
Lead, Total	0.00097	0.001	mg/L	97.0	25.0 - 175	124370290

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
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QUALITY CONTROL

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic, Total	2145936	0.517	0.501	0.00113	0.500	70.0 - 130	103	100	mg/L	3.15	20.0
Beryllium, Total	2145936	0.200	0.192	ND	0.200	70.0 - 130	100	96.0	mg/L	4.08	20.0
Cadmium, Total	2145936	0.257	0.251	ND	0.250	70.0 - 130	103	100	mg/L	2.36	20.0
Copper, Total	2145936	0.512	0.490	0.0126	0.500	70.0 - 130	99.9	95.5	mg/L	4.50	20.0
Lead, Total	2145936	0.488	0.464	ND	0.500	70.0 - 130	97.6	92.8	mg/L	5.04	20.0
Molybdenum, Total	2145936	0.569	0.554	0.00529	0.500	70.0 - 130	113	110	mg/L	2.70	20.0
Nickel, Total	2145936	0.502	0.485	0.00139	0.500	70.0 - 130	100	96.7	mg/L	3.45	20.0
Silver, Total	2145936	0.102	0.0985	ND	0.100	70.0 - 130	102	98.5	mg/L	3.49	20.0
Thallium, Total	2145936	0.478	0.457	ND	0.500	70.0 - 130	95.6	91.4	mg/L	4.49	20.0
Zinc, Total	2145936	0.494	0.475	0.035	0.500	70.0 - 130	91.8	88.0	mg/L	4.23	20.0
Copper, Total	2146635	0.449	0.493	0.000813	0.500	70.0 - 130	89.6	98.4	mg/L	9.36	20.0
Lead, Total	2146635	0.448	0.485	ND	0.500	70.0 - 130	89.6	97.0	mg/L	7.93	20.0
Silver, Total	2146635	0.0911	0.0981	ND	0.100	70.0 - 130	91.1	98.1	mg/L	7.40	20.0
Zinc, Total	2146635	0.462	0.505	0.00792	0.500	70.0 - 130	90.8	99.4	mg/L	9.04	20.0

Analytical Set 1039840

EPA 245.7 2

AWRL/MRL C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	5.80	5.00	ng/L	116	70.0 - 130	124389613

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1039709	0.900	0.573	4.00	ng/L	124389614

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	43.5	50.0	ng/L	87.0	87.0 - 113	124389617
Mercury, Total (low level)	49.8	50.0	ng/L	99.6	87.0 - 113	124389623

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	92.1	100	ng/L	92.1	90.0 - 110	124389611

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	48.9	50.0	ng/L	97.8	90.0 - 110	124389612

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1039709	45.5	49.5	50.0	76.0 - 113	91.0	99.0	ng/L	8.42	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2152303	48.2	47.9	1.17	53.2	63.0 - 111	88.4	87.8	ng/L	0.640	18.0

Analytical Set 1040533

EPA 200.8 5.4



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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chromium, Total	1038559	0.000928	0.0005	0.001	mg/L	124404352
Molybdenum, Total	1038559	0.00124	0.00025	0.0005	mg/L	124404352

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chromium, Total	0.0473	0.05	mg/L	94.6	90.0 - 110	124404246
Chromium, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	124404281
Chromium, Total	0.0462	0.05	mg/L	92.4	90.0 - 110	124404351
Chromium, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	124404362

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chromium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	124404238

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chromium, Total	1038559	0.487	0.492	0.500	85.0 - 115	97.4	98.4	mg/L	1.02	20.0
Molybdenum, Total	1038559	0.494	0.504	0.500	85.0 - 115	98.8	101	mg/L	2.00	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chromium, Total	2145936	0.501	0.492	0.00178	0.500	70.0 - 130	99.8	98.0	mg/L	1.82	20.0
Molybdenum, Total	2145936	0.549	0.548	0.00512	0.500	70.0 - 130	109	109	mg/L	0.184	20.0

Analytical Set 1041420

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Antimony, Total	1038559	ND	0.000847	0.003	mg/L	124424388
Copper, Total	1038559	ND	0.000325	0.001	mg/L	124424388
Molybdenum, Total	1038559	0.000289	0.000155	0.001	mg/L	124424388
Selenium, Total	1038559	ND	0.00294	0.005	mg/L	124424388

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	124424372
Antimony, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	124424383
Antimony, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	124424393
Antimony, Total	0.048	0.05	mg/L	96.0	90.0 - 110	124424403
Molybdenum, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	124424321
Molybdenum, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	124424340
Molybdenum, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	124424351
Molybdenum, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	124424362
Molybdenum, Total	0.047	0.05	mg/L	94.0	90.0 - 110	124424383
Molybdenum, Total	0.0465	0.05	mg/L	93.0	90.0 - 110	124424393
Molybdenum, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	124424403
Selenium, Total	0.0518	0.05	mg/L	104	90.0 - 110	124424321



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Parameter	Reading	Known	Units	Recover%	Limits%	File
Selenium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	124424331
Selenium, Total	0.053	0.05	mg/L	106	90.0 - 110	124424340
Selenium, Total	0.053	0.05	mg/L	106	90.0 - 110	124424351
Selenium, Total	0.0522	0.05	mg/L	104	90.0 - 110	124424362
Selenium, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	124424393
Selenium, Total	0.0475	0.05	mg/L	95.0	90.0 - 110	124424403
Selenium, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	124424410

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0531	0.05	mg/L	106	90.0 - 110	124424313
Molybdenum, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	124424313
Selenium, Total	0.0521	0.05	mg/L	104	90.0 - 110	124424313

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1038559	0.518	0.514	0.500	85.0 - 115	104	103	mg/L	0.775	20.0
Copper, Total	1038559	0.471	0.468	0.500	85.0 - 115	94.2	93.6	mg/L	0.639	20.0
Molybdenum, Total	1038559	0.505	0.506	0.500	85.0 - 115	101	101	mg/L	0.198	20.0
Selenium, Total	1038559	0.508	0.504	0.500	85.0 - 115	102	101	mg/L	0.791	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony, Total	2146635	0.529	0.524	ND	0.500	70.0 - 130	106	105	mg/L	0.950	20.0
Copper, Total	2146635	0.447	0.454	0.000671	0.500	70.0 - 130	89.3	90.7	mg/L	1.56	20.0
Molybdenum, Total	2146635	0.513	0.521	0.00304	0.500	70.0 - 130	102	104	mg/L	1.56	20.0
Selenium, Total	2146635	0.511	0.508	ND	0.500	70.0 - 130	102	102	mg/L	0.589	20.0

* Out RPD is Relative Percent Difference: $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); MRL Check - Minimum Reporting Limit Check Std; AWRL/MRL C - Ambient Water Reporting Limit/Minimum Reporting Limit Check Std



1036598 CoC Print Group 001 of 001



Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com
Employee Owned Integrity Caring Commitment Improvement

LELAP-accredited #02008

Chain of Custody

COC Printed 08/21/2019 Page 1 of 2

Lab Number 2148330
PO Number _____
Phone 870/845-4522
Fax 870/845-7409

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

NASH-L
113

IV QUARTER

Influent Table III Grab

29 Nov 22
Sample 1: Date: 0700 Time: 0700 Tech: KE CNa, Phna
Sample 2: Date: 0700 Time: 0700 Tech: KE CNa, Phna
Sample 3: Date: 0700 Time: 0700 Tech: KE CNa, Phna
Sample 4: Date: 0700 Time: 0700 Tech: KE CNa, Phna
Composite in lab

Matrix: Non-Potable Water

Sample Collection Start

Date: 29 Nov 22 Time: 0700

Sampler Printed Name: Kevin Funderbunk

Sampler Affiliation: NFW

Sampler Signature: Kevin Funderbunk

On Site Testing

CICk Field Cl2 Check for CNa

Field Cl2 Check for CNa Quality Control

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____

Results _____ Units _____ Temp. _____ C Duplicate _____ Units _____ Temp. _____ C

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa Quality Control

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____

Results _____ Units _____ Temp. _____ C Duplicate _____ Units _____ Temp. _____ C

1	H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid	
N	Phna Phenolics, Total Recoverable	EPA 420.4 I (28.0 days)
1	Z - No bottle required	
	mix Composite Sample	Composite Sample
1	NaOH to pH >12 Polyethylene 250 mL/amber	
N	CNa Cyanide, total	SM 4500-CN ⁻ E-2011 (14.0 days)

Ambient Conditions/Comments



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



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1036598 CoC Print Group 001 of 001



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Chain of Custody

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Phone 870/845-4522
Fax 870/845-7409

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Date	Time	Relinquished	Received
11.30.22	1130	Printed Name: Kevin Funderburg Affiliation: APW Signature: <i>[Signature]</i>	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: <i>[Signature]</i>
11.30.22	1700	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: <i>[Signature]</i>	Printed Name: Hickman Hotshot Affiliation: Service Signature: <i>[Signature]</i>
11.30.22	7030	Printed Name: Hickman Hotshot Affiliation: <i>[Signature]</i>	Printed Name: Antonio James Affiliation: AnaLab Signature: <i>[Signature]</i>
		Printed Name: <i>[Signature]</i> Affiliation: <i>[Signature]</i>	Printed Name: <i>[Signature]</i> Affiliation: <i>[Signature]</i>

Sample Received on Ice? Yes No
 Cooler/Sample Secure? Yes No
 Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
 If Shipped: Tracking Number & Temp - See Attached Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

See Attached for
Tracking # and Temp



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

1036598 CoC Print Group 001 of 001



Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008
 Employee Owned Integrity Caring Continuous Improvement

Chain of Custody

COC Printed 08/21/2019 Page 1 of 2

NASH-L
S6

Lab Number 2148331
 PO Number
 Phone 870/845-4522
 Fax 870/845-7409

Report To

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

IV QUARTER Influent Table III Comp

RUSH 7 Day

Matrix: Non-Potable Water

Sample Collection Start

Date: 29 Nov 22 Time: 0700
 Sampler Printed Name: Kevin Fundenbark
 Sampler Affiliation: NPW
 Sampler Signature: Kevin Fundenbark

Sample Collection Stop

Date: 30 Nov 22 Time: 0700
 Sampler Printed Name: Kevin Fundenbark
 Sampler Affiliation: NPW
 Sampler Signature: Kevin Fundenbark

Z - No bottle required

	BP2	See BP2	CAS:N/A
1	HNO3 to pH <2 Polyethylene 500 mL for Metals		
N	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
N	*AsM	Arsenic, Total	EPA 200.8 5.4 CAS:7440-38-2 (180 days)
N	*BeM	Beryllium, Total	EPA 200.8 5.4 CAS:7440-41-7 (180 days)
N	*CdM	Cadmium, Total	EPA 200.8 5.4 CAS:7440-43-9 (180 days)
N	*CrM	Chromium, Total	EPA 200.8 5.4 CAS:7440-47-3 (180 days)
N	*CuM	Copper, Total	EPA 200.8 5.4 CAS:7440-50-8 (180 days)
N	*MoM	Molybdenum, Total	EPA 200.8 5.4 CAS:7439-98-7 (180 days)
N	*NiM	Nickel, Total	EPA 200.8 5.4 CAS:7440-02-0 (180 days)
N	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
N	*SbM	Antimony, Total	EPA 200.8 5.4 CAS:7440-36-0 (180 days)
N	*SeM	Selenium, Total	EPA 200.8 5.4 CAS:7782-49-2 (180 days)
N	*TIM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
N	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
N	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
1	Glass 500 ml /clean metals w/HCl		
N	*Hgl	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (28.0 days)
N	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (28.0 days)
	HgKt	LL Mercury Test Prep	



Corporate Shipping: 2000 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

1036598 CoC Print Group 001 of 001



Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LEIAP-accredited #02008
Employee Owned Integrity Caring Continual Improvement

COC Printed 08/21/2019 Page 2 of 2

Chain of Custody

NASH-L

S6

Phone 870/845-4522
Fax 870/845-7409

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Ambient Conditions/Comments

Date	Time	Relinquished	Received
11-30-22	1130	Printed Name: Kevin Funckbank Affiliation: NWU Signature: <i>[Signature]</i>	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: <i>[Signature]</i>
11-30-22	1700	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: <i>[Signature]</i>	Printed Name: Hickman Hotshot Service Affiliation: Signature:
11-31-22	2030	Printed Name: Hickman Hotshot Service Affiliation: Signature:	Printed Name: Antonio James AnaLab Affiliation: Signature: <i>[Signature]</i>
		Printed Name: Affiliation: Signature:	Printed Name: Affiliation: Signature:

Sample Received on Ice? Yes No Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
Cooler/Sample Secure? Yes No If Shipped: Tracking Number & Temp - See Attached Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAP, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

See Attached for
Tracking # and Temp



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

11/30/22 2258 AAD
 Date Time Tech
 Temp: 2.5/2.5 C

Therm#: 8205 Corr Fact: 0.0 C

**HICKMAN
 HOT SHOT SERVICE**

835 North Street, Gilmer, Texas 75644
 903-808-7402

Delivery Confirmation Sheet

Delivery Date:	11-30-2022
Pick-Up From:	Analab BC
Released By:	X
Deliver To:	Analab Kilgore
Received By:	X Antonio Jones
Delivery Time:	2020
Notes:	
5 coolers to BC	
3 coolers plus	
1 DI Box to Kilgore	
Delivery Charge:	
Other Charges:	
Total Charges:	

Thank you for choosing Hickman HotShot
 as your courier service provider.

Drivers Signature: _____



Project
1004746

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Printed 04/13/2023 11:19

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SAMPLE CROSS REFERENCE

Project
1004746

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Printed 4/13/2023 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2076360	Effluent IQ	03/11/2022	07:00:00	03/23/2022

Bottle 01 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 02 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 03 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 999422) Volume: 10.00000 mL <== Derived from 02 (5 ml)
 Bottle 04 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 999650) Volume: 50.00000 mL <== Derived from 01 (50 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ E-2016	03	999422	03/24/2022	999480	03/24/2022
SM 4500-CN ⁻ E-2016			03/24/2022		03/24/2022
EPA 420.4 1	04	999650	03/25/2022	1000074	03/29/2022

Sample	Sample ID	Taken	Time	Received
2076361	Effluent IQ	03/11/2022	07:00:00	03/23/2022

Bottle 01 16 oz HNO3 Metals Plastic
 Bottle 02 Client supplied HCl Clean Metals Bottle
 Bottle 03 Prepared Bottle: ICP Preparation for Metals (Batch 1000160) Volume: 50.00000 mL <== Derived from 01 (50 ml)
 Bottle 04 Prepared Bottle: ICP Preparation for Metals (Batch 1000160) Volume: 50.00000 mL <== Derived from 01 (50 ml)
 Bottle 05 Prepared Bottle: ICP Preparation for Metals (Batch 1000160) Volume: 50.00000 mL <== Derived from 01 (50 ml)
 Bottle 06 Prepared Bottle: Mercury Preparation for Metals (Batch 1002379) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	03	1000160	03/29/2022	1001098	04/04/2022
EPA 200.8 5.4	03	1000160	03/29/2022	1002918	04/12/2022
EPA 245.7 2	06	1002379	04/12/2022	1002585	04/13/2022



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1004746

Report Date: 04/15/2022
 Printed: 04/13/2023

RESULTS

Sample Results

2076360 Effluent IQ

Received: 03/23/2022

Non-Potable Water
 Collected by: Client City of Nashville
 Taken: 03/11/2022 07:00:00

PO:

Sample 1: Date: 3-10-22 Time: 0700 Tech: K F CNa, Phna
 Sample 2: Date: 3-10-22 Time: 1500 Tech: K F CNa, Phna
 Sample 3: Date: 3-10-22 Time: 2300 Tech: K F CNa, Phna
 Sample 4: Date: 3-11-22 Time: 0700 Tech: K F CNa, Phna
 Composite in lab

EPA 420.4 I		Prepared:	999650	03/25/2022	09:46:23	Analyzed	1000074	03/29/2022	08:45:00	AMB
Parameter	Results	Units	RL	Flags	CAS	Bottle				
NELAC Phenolics, Total Recoverable	<0.00422	mg/L	0.00422			04				

SM 4500-CN ⁻ E-2016		Prepared:	03/24/2022	23:35:03	Calculated	03/24/2022	23:35:03	CAL
Parameter	Results	Units	RL	Flags	CAS	Bottle		
Cyanide in ug/calculation	9.20	ppb	5.00					

SM 4500-CN ⁻ E-2016		Prepared:	999422	03/24/2022	09:08:32	Analyzed	999480	03/24/2022	09:00:00	AMB
Parameter	Results	Units	RL	Flags	CAS	Bottle				
NELAC Cyanide, total	0.0092	mg/L	0.005			03				

2076361 Effluent IQ

Comp: 3/10 0700 - 3/11 0700

Received: 03/23/2022

Non-Potable Water
 Composite Stop 07:00 3/11/22
 Collected by: Client City of Nashville
 Taken: 03/11/2022 07:00:00

PO:

client provides their own sampler

LL Mercury Test Prep		Prepared:	04/13/2022	17:33:43	Calculated	04/13/2022	17:33:43	CAL
Parameter	Results	Units	RL	Flags	CAS	Bottle		
LL Mercury Test Prep	Verified							

EPA 200.8 5.4		Prepared:	1000160	03/29/2022	16:15:00	Analyzed	1001098	04/04/2022	15:24:00	ALH
Parameter	Results	Units	RL	Flags	CAS	Bottle				



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1004746

Report Date: 04/15/2022
 Printed: 04/13/2023

2076361 Effluent IQ

Comp: 3/10 0700 - 3/11 0700

Received: 03/23/2022

Non-Potable Water
 Composite Stop 07:00 3/11/22
 Collected by: Client
 Taken: 03/11/2022

City of Nashville
 07:00:00

PO:

client provides their own sampler

EPA 200.8 5.4

Prepared: 1000160 03/29/2022 16:15:00 Analyzed 1001098 04/04/2022 15:24:00 ALH

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Antimony, Total	0.000779	mg/L	0.001	JD	7440-36-0	03
NELAC Arsenic, Total	0.00259	mg/L	0.0005		7440-38-2	03
NELAC Beryllium, Total	<0.0000605	mg/L	0.0000605	D	7440-41-7	03
NELAC Cadmium, Total	<0.000095	mg/L	0.000095	D	7440-43-9	03
NELAC Chromium, Total	0.000692	mg/L	0.001	JD	7440-47-3	03
NELAC Lead, Total	0.000397	mg/L	0.0005	JD	7439-92-1	03
NELAC Molybdenum, Total	0.0091	mg/L	0.0005	BD	7439-98-7	03
NELAC Nickel, Total	0.0166	mg/L	0.001	D	7440-02-0	03
NELAC Selenium, Total	0.00849	mg/L	0.002		7782-49-2	03
NELAC Silver, Total	<0.0000628	mg/L	0.0000628	D	7440-22-4	03
NELAC Thallium, Total	<0.00025	mg/L	0.00025	D	7440-28-0	03
NELAC Zinc, Total	0.00841	mg/L	0.005	D	7440-66-6	03

EPA 200.8 5.4

Prepared: 1000160 03/29/2022 16:15:00 Analyzed 1002918 04/12/2022 18:15:00 ALH

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Copper, Total	0.00123	mg/L	0.001		7440-50-8	03

EPA 245.7 2

Prepared: 1002379 04/12/2022 18:00:00 Analyzed 1002585 04/13/2022 12:34:00 ALH

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Mercury, Total (low level)	0.0000129	mg/L	0.00000426		7439-97-6	06

Sample Preparation

2076360 Effluent IQ

Received: 03/23/2022

03/11/2022

EPA 420.4 1

Prepared: 999650 03/25/2022 09:46:23 Analyzed 999650 03/25/2022 09:46:23 LPI

NELAC Phenol Distillation	50/50	ml				01
---------------------------	-------	----	--	--	--	----



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1004746

Report Date: 04/15/2022
 Printed: 04/13/2023

2076360 Effluent IQ

Received: 03/23/2022

03/11/2022

SM 4500-CN⁻C-2016

Prepared: 999422 03/24/2022 09:08:32 Analyzed 999422 03/24/2022 09:08:32 JR1

NELAC **Cyanide Distillation**

10/5

ml

02

2076361 Effluent IQ

Comp: 3/10 0700 - 3/11 0700

Received: 03/23/2022

Composite Stop 07:00 3/11/22

03/11/2022

Prepared: 03/23/2022 22:54:00 Analyzed 03/23/2022 22:54:00 AAJ

z **Bottle pH**

<2

SU

01

Prepared: 04/13/2022 17:33:43 Calculated 04/13/2022 17:33:43 CAL

z **Environmental Fee (per Project)**

Verified

EPA 200.2 2.8

Prepared: 1000160 03/29/2022 16:15:00 Analyzed 1000160 03/29/2022 16:15:00 TES

z **Liquid Metals Digestion**

50/50

ml

01

EPA 245.7 2

Prepared: 1002379 04/12/2022 18:00:00 Analyzed 1002379 04/12/2022 18:00:00 ALH

NELAC **Low Level Mercury Liquid Metals**

50/47

ml

H

02



2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275 Kilgore, TX 75663
Office: 903-984-0551 * Fax: 903-984-5914

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Project
1004746

Report Date: 04/15/2022
Printed: 04/13/2023

Qualifiers:

- J - Analyte detected below quantitation limit
D - Duplicate RPD was higher than expected
B - Analyte detected in the associated method blank
H - Sample started outside recommended holding time

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see <https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (POL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Trey Peery, MA, Project Manager



QUALITY CONTROL

NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1004746

Printed 04/13/2023

Analytical Set **999480**

SM 4500-CN E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	999422	ND	0.00119	0.0025	mg/L	123423813

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.540	0.500	mg/L	108	90.0 - 110	123423786
Cyanide, total	0.536	0.500	mg/L	107	90.0 - 110	123423796
Cyanide, total	0.545	0.500	mg/L	109	90.0 - 110	123423807
Cyanide, total	0.507	0.500	mg/L	101	90.0 - 110	123423818
Cyanide, total	0.533	0.500	mg/L	107	90.0 - 110	123423828
Cyanide, total	0.535	0.500	mg/L	107	90.0 - 110	123423834

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2075960	0.009	0.0084	mg/L	6.90	20.0
Cyanide, total	2075978	ND	0.0014	mg/L	200 *	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.216	0.200	mg/L	108	90.0 - 110	123423785

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	999422	0.212	0.196	0.200	90.0 - 110	106	98.0	mg/L	7.84	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2075960	0.430	0.0084	0.400	mg/L	105	90.0 - 110	123423819
Cyanide, total	2075978	0.409	0.0014	0.400	mg/L	102	90.0 - 110	123423822

Analytical Set **1000074**

EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	999650	ND	0.00422	0.005	mg/L	123438773

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.202	0.200	mg/L	101	90.0 - 110	123438772
Phenolics, Total Recoverable	0.187	0.200	mg/L	93.5	90.0 - 110	123438775
Phenolics, Total Recoverable	0.184	0.200	mg/L	92.0	90.0 - 110	123438784
Phenolics, Total Recoverable	0.185	0.200	mg/L	92.5	90.0 - 110	123438792

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Phenolics, Total Recoverable	2075677	ND	ND	mg/L		20.0
Phenolics, Total Recoverable	2076135	ND	ND	mg/L		20.0



QUALITY CONTROL

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Project
1004746

Printed 04/13/2023

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.202	0.200	mg/L	101	90.0 - 110	123438771

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	999650	0.182	0.191	0.200	90.0 - 110	91.0	95.5	mg/L	4.83	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Phenolics, Total Recoverable	2075677	0.191	ND	0.200	mg/L	95.5	90.0 - 110	123438779
Phenolics, Total Recoverable	2076135	0.194	ND	0.200	mg/L	97.0	90.0 - 110	123438782

Analytical Set 1001098

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Antimony, Total	1000160	ND	0.000399	0.001	mg/L	123468698
Arsenic, Total	1000160	0.000386	0.00025	0.0005	mg/L	123468698
Beryllium, Total	1000160	0.0000745	0.0000605	0.0005	mg/L	123468698
Cadmium, Total	1000160	ND	0.000095	0.0005	mg/L	123468698
Chromium, Total	1000160	ND	0.0005	0.001	mg/L	123468698
Copper, Total	1000160	ND	0.0005	0.001	mg/L	123468698
Lead, Total	1000160	ND	0.00025	0.0005	mg/L	123468698
Molybdenum, Total	1000160	0.00143	0.00025	0.0005	mg/L	123468698
Nickel, Total	1000160	ND	0.0005	0.001	mg/L	123468698
Selenium, Total	1000160	0.00107	0.000728	0.002	mg/L	123468698
Silver, Total	1000160	ND	0.0000628	0.0002	mg/L	123468698
Thallium, Total	1000160	ND	0.00025	0.0005	mg/L	123468698
Zinc, Total	1000160	ND	0.0025	0.005	mg/L	123468698

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	123468697
Antimony, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	123468699
Antimony, Total	0.0504	0.05	mg/L	101	90.0 - 110	123468707
Arsenic, Total	0.0507	0.05	mg/L	101	90.0 - 110	123468690
Arsenic, Total	0.0513	0.05	mg/L	103	90.0 - 110	123468697
Arsenic, Total	0.050	0.05	mg/L	100	90.0 - 110	123468699
Arsenic, Total	0.0517	0.05	mg/L	103	90.0 - 110	123468707
Arsenic, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	123468709
Arsenic, Total	0.0508	0.05	mg/L	102	90.0 - 110	123468719
Arsenic, Total	0.0525	0.05	mg/L	105	90.0 - 110	123468720
Beryllium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	123468690
Beryllium, Total	0.0504	0.05	mg/L	101	90.0 - 110	123468697
Beryllium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	123468699
Beryllium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123468707
Cadmium, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468690
Cadmium, Total	0.0515	0.05	mg/L	103	90.0 - 110	123468697



QUALITY CONTROL

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Project
1004746

Printed 04/13/2023

CCV

<i>Parameter</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Cadmium, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468699
Cadmium, Total	0.0507	0.05	mg/L	101	90.0 - 110	123468707
Cadmium, Total	0.0508	0.05	mg/L	102	90.0 - 110	123468719
Cadmium, Total	0.051	0.05	mg/L	102	90.0 - 110	123468720
Chromium, Total	0.0507	0.05	mg/L	101	90.0 - 110	123468690
Chromium, Total	0.0505	0.05	mg/L	101	90.0 - 110	123468697
Chromium, Total	0.0509	0.05	mg/L	102	90.0 - 110	123468699
Chromium, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468707
Chromium, Total	0.0453	0.05	mg/L	90.6	90.0 - 110	123468709
Chromium, Total	0.0504	0.05	mg/L	101	90.0 - 110	123468719
Chromium, Total	0.0512	0.05	mg/L	102	90.0 - 110	123468720
Lead, Total	0.0501	0.05	mg/L	100	90.0 - 110	123468697
Lead, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123468699
Lead, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	123468707
Molybdenum, Total	0.0505	0.05	mg/L	101	90.0 - 110	123468690
Molybdenum, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	123468697
Molybdenum, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	123468699
Molybdenum, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	123468707
Molybdenum, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468720
Nickel, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	123468690
Nickel, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468697
Nickel, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468699
Nickel, Total	0.0509	0.05	mg/L	102	90.0 - 110	123468707
Nickel, Total	0.0462	0.05	mg/L	92.4	90.0 - 110	123468709
Nickel, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468719
Nickel, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	123468720
Selenium, Total	0.0523	0.05	mg/L	105	90.0 - 110	123468697
Selenium, Total	0.0501	0.05	mg/L	100	90.0 - 110	123468699
Selenium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	123468707
Silver, Total	0.0527	0.05	mg/L	105	90.0 - 110	123468690
Silver, Total	0.0532	0.05	mg/L	106	90.0 - 110	123468697
Silver, Total	0.0522	0.05	mg/L	104	90.0 - 110	123468699
Silver, Total	0.0527	0.05	mg/L	105	90.0 - 110	123468707
Silver, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	123468709
Silver, Total	0.0531	0.05	mg/L	106	90.0 - 110	123468719
Silver, Total	0.0525	0.05	mg/L	105	90.0 - 110	123468720
Thallium, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468690
Thallium, Total	0.0505	0.05	mg/L	101	90.0 - 110	123468697
Thallium, Total	0.050	0.05	mg/L	100	90.0 - 110	123468699
Thallium, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	123468707
Zinc, Total	0.0516	0.05	mg/L	103	90.0 - 110	123468697
Zinc, Total	0.0533	0.05	mg/L	107	90.0 - 110	123468699
Zinc, Total	0.0525	0.05	mg/L	105	90.0 - 110	123468707
Zinc, Total	0.0468	0.05	mg/L	93.6	90.0 - 110	123468709
Zinc, Total	0.0518	0.05	mg/L	104	90.0 - 110	123468719



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City of Nashville
 Larry Dunaway
 426 N Main
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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Zinc, Total	0.0521	0.05	mg/L	104	90.0 - 110	123468720

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	123468678
Arsenic, Total	0.052	0.05	mg/L	104	90.0 - 110	123468678
Beryllium, Total	0.0516	0.05	mg/L	103	90.0 - 110	123468678
Cadmium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	123468678
Chromium, Total	0.051	0.05	mg/L	102	90.0 - 110	123468678
Lead, Total	0.0503	0.05	mg/L	101	90.0 - 110	123468678
Molybdenum, Total	0.048	0.05	mg/L	96.0	90.0 - 110	123468678
Nickel, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	123468678
Selenium, Total	0.0517	0.05	mg/L	103	90.0 - 110	123468678
Silver, Total	0.0528	0.05	mg/L	106	90.0 - 110	123468678
Thallium, Total	0.0502	0.05	mg/L	100	90.0 - 110	123468678
Zinc, Total	0.0513	0.05	mg/L	103	90.0 - 110	123468678

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1000160	0.517	0.461	0.500	85.0 - 115	103	92.2	mg/L	11.5	20.0
Arsenic, Total	1000160	0.544	0.539	0.500	85.0 - 115	109	108	mg/L	0.923	20.0
Beryllium, Total	1000160	0.204	0.192	0.200	85.0 - 115	102	96.0	mg/L	6.06	20.0
Cadmium, Total	1000160	0.259	0.243	0.250	85.0 - 115	104	97.2	mg/L	6.37	20.0
Chromium, Total	1000160	0.555	0.493	0.500	85.0 - 115	111	98.6	mg/L	11.8	20.0
Copper, Total	1000160	0.569	0.595	0.500	85.0 - 115	114	119 *	mg/L	4.47	20.0
Lead, Total	1000160	0.493	0.470	0.500	85.0 - 115	98.6	94.0	mg/L	4.78	20.0
Molybdenum, Total	1000160	0.572	0.519	0.500	85.0 - 115	114	104	mg/L	9.72	20.0
Nickel, Total	1000160	0.512	0.487	0.500	85.0 - 115	102	97.4	mg/L	5.01	20.0
Selenium, Total	1000160	0.563	0.551	0.500	85.0 - 115	113	110	mg/L	2.15	20.0
Silver, Total	1000160	0.0996	0.0953	0.100	85.0 - 115	99.6	95.3	mg/L	4.41	20.0
Thallium, Total	1000160	0.491	0.464	0.500	85.0 - 115	98.2	92.8	mg/L	5.65	20.0
Zinc, Total	1000160	0.537	0.503	0.500	85.0 - 115	107	101	mg/L	6.54	20.0

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lead, Total	0.000931	0.001	mg/L	93.1	25.0 - 175	123468679

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic, Total	2074386	0.557	0.566	0.000851	0.500	70.0 - 130	111	113	mg/L	1.61	20.0
Chromium, Total	2074386	0.473	0.540	ND	0.500	70.0 - 130	94.6	108	mg/L	13.2	20.0
Copper, Total	2074386	0.609	0.620	0.0652	0.500	70.0 - 130	109	111	mg/L	2.00	20.0
Nickel, Total	2074386	0.508	0.553	0.00124	0.500	70.0 - 130	101	110	mg/L	8.50	20.0
Silver, Total	2074386	0.0962	0.104	ND	0.100	70.0 - 130	96.2	104	mg/L	7.79	20.0
Zinc, Total	2074386	0.477	0.542	0.0188	0.500	70.0 - 130	91.6	105	mg/L	13.2	20.0
Antimony, Total	2076361	0.508	0.408	0.000779	0.500	70.0 - 130	101	81.4	mg/L	21.9 *	20.0



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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic, Total	2076361	0.541	0.555	0.00259	0.500	70.0 - 130	108	110	mg/L	2.57	20.0
Beryllium, Total	2076361	0.210	0.162	ND	0.200	70.0 - 130	105	81.0	mg/L	25.8 *	20.0
Cadmium, Total	2076361	0.268	0.205	ND	0.250	70.0 - 130	107	82.0	mg/L	26.6 *	20.0
Chromium, Total	2076361	0.525	0.424	0.000692	0.500	70.0 - 130	105	84.7	mg/L	21.3 *	20.0
Copper, Total	2076361	0.569	0.576	0.000673	0.500	70.0 - 130	114	115	mg/L	1.22	20.0
Lead, Total	2076361	0.504	0.396	0.000397	0.500	70.0 - 130	101	79.1	mg/L	24.0 *	20.0
Molybdenum, Total	2076361	0.576	0.452	0.0091	0.500	70.0 - 130	113	88.6	mg/L	24.6 *	20.0
Nickel, Total	2076361	0.543	0.427	0.0166	0.500	70.0 - 130	105	82.1	mg/L	24.8 *	20.0
Selenium, Total	2076361	0.550	0.561	0.00849	0.500	70.0 - 130	108	111	mg/L	2.01	20.0
Silver, Total	2076361	0.105	0.0799	ND	0.100	70.0 - 130	105	79.9	mg/L	27.1 *	20.0
Thallium, Total	2076361	0.497	0.390	ND	0.500	70.0 - 130	99.4	78.0	mg/L	24.1 *	20.0
Zinc, Total	2076361	0.542	0.425	0.00841	0.500	70.0 - 130	107	83.3	mg/L	24.6 *	20.0

Analytical Set 1002585

EPA 245.7 2

AWRL/MRL C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	4.50	5.00	ng/L	90.0	70.0 - 130	123506734

Blank

Parameter	PrepSer	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1002379	0.800	0.573	4.00	ng/L	123506737

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	49.6	50.0	ng/L	99.2	87.0 - 113	123506732
Mercury, Total (low level)	49.6	50.0	ng/L	99.2	87.0 - 113	123506747
Mercury, Total (low level)	49.7	50.0	ng/L	99.4	87.0 - 113	123506759
Mercury, Total (low level)	50.2	50.0	ng/L	100	87.0 - 113	123506768

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	102	100	ng/L	102	90.0 - 110	123506731

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	49.9	50.0	ng/L	99.8	90.0 - 110	123506735

LCS Dup

Parameter	PrepSer	LC5	LCSD	Known	Limits%	LC5%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1002379	48.3	47.9	50.0	76.0 - 113	96.6	95.8	ng/L	0.832	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2077179	54.9	60.1	4.04	53.2	67.0 - 111	95.6	105	ng/L	9.73	18.0
Mercury, Total (low level)	2078586	52.7	52.8	7.13	53.2	67.0 - 111	85.7	85.8	ng/L	0.219	18.0

Analytical Set 1002918

EPA 200.8 5.4



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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Antimony, Total	1000160	ND	0.000847	0.003	mg/L	123517287
Arsenic, Total	1000160	ND	0.000902	0.003	mg/L	123517287
Beryllium, Total	1000160	0.000164	0.000162	0.001	mg/L	123517287
Cadmium, Total	1000160	ND	0.00012	0.001	mg/L	123517287
Chromium, Total	1000160	0.000859	0.000392	0.001	mg/L	123517287
Copper, Total	1000160	ND	0.000325	0.001	mg/L	123517287
Lead, Total	1000160	ND	0.000549	0.001	mg/L	123517287
Molybdenum, Total	1000160	0.00158	0.000155	0.001	mg/L	123517287
Nickel, Total	1000160	ND	0.000154	0.001	mg/L	123517287
Silver, Total	1000160	ND	0.000276	0.001	mg/L	123517287
Thallium, Total	1000160	ND	0.000966	0.001	mg/L	123517287
Zinc, Total	1000160	ND	0.000844	0.001	mg/L	123517287

CCV

Parameter	Reading	Known	Units	Recover ^o	Limits ^o	File
Copper, Total	0.0505	0.05	mg/L	101	90.0 - 110	123517219
Copper, Total	0.051	0.05	mg/L	102	90.0 - 110	123517230
Copper, Total	0.0503	0.05	mg/L	101	90.0 - 110	123517241
Copper, Total	0.0503	0.05	mg/L	101	90.0 - 110	123517251
Copper, Total	0.051	0.05	mg/L	102	90.0 - 110	123517286
Copper, Total	0.0508	0.05	mg/L	102	90.0 - 110	123517297
Copper, Total	0.050	0.05	mg/L	100	90.0 - 110	123517307
Copper, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123517317
Copper, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123517327

ICV

Parameter	Reading	Known	Units	Recover ^o	Limits ^o	File
Copper, Total	0.0541	0.05	mg/L	108	90.0 - 110	123517209
Copper, Total	0.0535	0.05	mg/L	107	90.0 - 110	123517279

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits ^o	LCS%	LCSD%	Units	RPD	Limit ^o
Antimony, Total	1000160	0.536	0.533	0.500	85.0 - 115	107	107	mg/L	0.561	20.0
Arsenic, Total	1000160	0.549	0.546	0.500	85.0 - 115	110	109	mg/L	0.548	20.0
Beryllium, Total	1000160	0.210	0.220	0.200	85.0 - 115	105	110	mg/L	4.65	20.0
Cadmium, Total	1000160	0.271	0.281	0.250	85.0 - 115	108	112	mg/L	3.62	20.0
Chromium, Total	1000160	0.540	0.530	0.500	85.0 - 115	108	106	mg/L	1.87	20.0
Copper, Total	1000160	0.538	0.553	0.500	85.0 - 115	108	111	mg/L	2.75	20.0
Lead, Total	1000160	0.527	0.549	0.500	85.0 - 115	105	110	mg/L	4.09	20.0
Molybdenum, Total	1000160	0.601	0.610	0.500	85.0 - 115	120	122 *	mg/L	1.49	20.0
Nickel, Total	1000160	0.536	0.557	0.500	85.0 - 115	107	111	mg/L	3.84	20.0
Silver, Total	1000160	0.105	0.110	0.100	85.0 - 115	105	110	mg/L	4.65	20.0
Thallium, Total	1000160	0.539	0.557	0.500	85.0 - 115	108	111	mg/L	3.28	20.0
Zinc, Total	1000160	0.527	0.535	0.500	85.0 - 115	105	107	mg/L	1.51	20.0



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LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	1.04	1	mg/L	104	90.0 - 110	123517285
Arsenic, Total	10.5	10	mg/L	105	90.0 - 110	123517285
Beryllium, Total	10.8	10	mg/L	108	90.0 - 110	123517285
Cadmium, Total	10.5	10	mg/L	105	90.0 - 110	123517285
Chromium, Total	10.8	10	mg/L	108	90.0 - 110	123517285
Copper, Total	10.6	10	mg/L	106	90.0 - 110	123517285
Lead, Total	10.1	10	mg/L	101	90.0 - 110	123517285
Molybdenum, Total	5.39	5	mg/L	108	90.0 - 110	123517284
Nickel, Total	10.8	10	mg/L	108	90.0 - 110	123517285
Thallium, Total	10.4	10	mg/L	104	90.0 - 110	123517285
Zinc, Total	10.3	10	mg/L	103	90.0 - 110	123517285

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.000888	0.001	mg/L	88.8	25.0 - 175	123517211

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony, Total	2076361	0.528	0.540	0.00182	0.500	70.0 - 130	105	108	mg/L	2.25	20.0
Arsenic, Total	2076361	0.543	0.555	0.00171	0.500	70.0 - 130	108	111	mg/L	2.19	20.0
Beryllium, Total	2076361	0.215	0.217	0.000162	0.200	70.0 - 130	107	108	mg/L	0.927	20.0
Cadmium, Total	2076361	0.277	0.273	ND	0.250	70.0 - 130	111	109	mg/L	1.45	20.0
Chromium, Total	2076361	0.521	0.535	0.00135	0.500	70.0 - 130	104	107	mg/L	2.66	20.0
Copper, Total	2076361	0.544	0.544	0.00123	0.500	70.0 - 130	109	109	mg/L	0	20.0
Lead, Total	2076361	0.538	0.542	ND	0.500	70.0 - 130	108	108	mg/L	0.741	20.0
Molybdenum, Total	2076361	0.601	0.606	0.00611	0.500	70.0 - 130	119	120	mg/L	0.837	20.0
Nickel, Total	2076361	0.557	0.555	0.0174	0.500	70.0 - 130	108	108	mg/L	0.371	20.0
Silver, Total	2076361	0.108	0.106	ND	0.100	70.0 - 130	108	106	mg/L	1.87	20.0
Thallium, Total	2076361	0.551	0.551	ND	0.500	70.0 - 130	110	110	mg/L	0	20.0
Zinc, Total	2076361	0.525	0.527	0.0246	0.500	70.0 - 130	100	100	mg/L	0.399	20.0

* Out RPD is Relative Percent Difference: $\frac{\text{abs}(r1-r2)}{\text{mean}(r1,r2)} * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); MRL Check - Minimum Reporting Limit Check Std; AWRL/MRL C - Ambient Water Reporting Limit/Minimum Reporting Limit Check Std; LDR - Linear Dynamic Range Standard



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Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

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Chain of Custody

NASH-L

113

Lab Number 2076360

PO Number _____

Phone 870/845-4522

Fax 870/845-7409

Report To

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426 N Main
Nashville, AR 71852-

IQ

Effluent
Effluent Table III Grab

Sample 1: Date: 10/22/22 Time: 0700 Tech: RF CNa, Phna
Sample 2: Date: 10/22/22 Time: 1000 Tech: RF CNa, Phna
Sample 3: Date: 10/22/22 Time: 2000 Tech: RF CNa, Phna
Sample 4: Date: 10/22/22 Time: 0700 Tech: RF CNa, Phna

Composite in lab

Matrix: Non-Potable Water

Sample Collection Start

Date: 10/22/22 Time: 0700

Sampler Printed Name: KEVIN FUNDERBURK

Sampler Affiliation: CITY OF NASHVILLE, WWTP

Sampler Signature: Kevin Funderburk

On Site Testing

C12K Field Cl2 Check for CNa

Field Cl2 Check for CNa Quality Control

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____

Results _____ Units _____ Temp. _____ C Duplicate _____ Units _____ Temp. _____ C

S2CK Field Sulfide Check for CNa

Field Sulfide Check for CNa Quality Control

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____

Results _____ Units _____ Temp. _____ C Duplicate _____ Units _____ Temp. _____ C

<input type="checkbox"/>	H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid	
<input type="checkbox"/>	Phna Phenolics, Total Recoverable	EPA 420.4 I (28.0 days)
<input type="checkbox"/>	Z - No bottle required	
<input type="checkbox"/>	mix Composite Sample	Composite Sample
<input type="checkbox"/>	NaOH to pH >12 Polyethylene 250 mL/amber	
<input type="checkbox"/>	CNa Cyanide, total	SM 4500-CN ⁻ E-2011 (14.0 days)

Ambient Conditions/Comments



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



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Chain of Custody

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113

Report To

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Phone 870/845-4522
 Fax 870/845-7409

Date	Time	Relinquished	Received
3.29.22	1200	Printed Name: KEVIN FUNDERBURK Affiliation: CITY OF NASHVILLE, WWTP Signature: Kevin Funderburk	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: Mark Hirsch
3.29.22	1600	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: Mark Hirsch	Printed Name: Hickman Hotshot Service Affiliation: Hickman Hotshot Service Signature: Mark Hirsch
3.29.22	1940	Printed Name: Hickman Hotshot Service Affiliation: Hickman Hotshot Service Signature: Mark Hirsch	Printed Name: Antonio James AnaLab Affiliation: AnaLab Signature: Antonio James
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____

Sample Received on Ice? Yes No
 Cooler/Sample Secure? Yes No
 Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
 If Shipped: Tracking Number & Temp - See Attached
 Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

See Attached for
 Tracking # and Temp



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

1004746 CoC Print Group 001 of 001



Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008
Employee Owned Integrity Caring Continual Improvement

Chain of Custody

NASH-L

S6

COC Printed 08/21/2019 Page 1 of 2

Lab Number 2076301

PO Number

Phone 870/845-4522

Fax 870/845-7409

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

I QUARTER

Effluent
Legion Table III Comp

RUSH 7 Day

Matrix: Non-Potable Water

Sample Collection Start

Date: 10 Mar 22 Time: 0700
Sampler Printed Name: Kevin Fundenbunk
Sampler Affiliation: NPW
Sampler Signature: Kevin Sundabunk

Sample Collection Stop

Date: 10 Mar 22 Time: 0700
Sampler Printed Name: Kevin Fundenbunk
Sampler Affiliation: NPW
Sampler Signature: Kevin Sundabunk

	BP2	Sec BP2	CAS: N/A
	I	HNO3 to pH <2 Polyethylene 500 ml. for Metals	
N	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
N	*AsM	Arsenic, Total	EPA 200.8 5.4 CAS:7440-38-2 (180 days)
N	*BeM	Beryllium, Total	EPA 200.8 5.4 CAS:7440-41-7 (180 days)
N	*CdM	Cadmium, Total	EPA 200.8 5.4 CAS:7440-43-9 (180 days)
N	*CrM	Chromium, Total	EPA 200.8 5.4 CAS:7440-47-3 (180 days)
N	*CuM	Copper, Total	EPA 200.8 5.4 CAS:7440-50-8 (180 days)
N	*MoM	Molybdenum, Total	EPA 200.8 5.4 CAS:7439-98-7 (180 days)
N	*NiM	Nickel, Total	EPA 200.8 5.4 CAS:7440-02-0 (180 days)
N	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
N	*SbM	Antimony, Total	EPA 200.8 5.4 CAS:7440-36-0 (180 days)
N	*SeM	Selenium, Total	EPA 200.8 5.4 CAS:7782-49-2 (180 days)
N	*TlM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
N	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
N	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
	I	Glass 500 ml/clean metals w/HCl	
N	*HgI	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (28.0 days)
N	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (28.0 days)
	HgKt	LL Mercury Test Prep	



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

1004746 CoC Print Group 001 of 001



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 COC Printed 08/21/2019 Page 2 of 2

Chain of Custody

NASH-L

S6

Phone 870/845-4522
 Fax 870/845-7409

Report To

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Ambient Conditions/Comments

Date	Time	Relinquished	Received
3.23.22	1200	Printed Name: Kevin Funderburk Signature: Kevin Funderburk Affiliation: NPW	Printed Name: Mark Hirsch Signature: Mark Hirsch Affiliation: Ana-lab
3.23.22	1600	Printed Name: Mark Hirsch Signature: Mark Hirsch Affiliation: Ana-lab	Printed Name: Hickman Hotshot Service Signature: [Signature]
3.23.22	1940	Printed Name: Hickman Hotshot Service Signature: [Signature]	Printed Name: Antonio James Signature: Antonio James Affiliation: AnaLab
		Printed Name: [Blank] Signature: [Blank] Affiliation: [Blank]	Printed Name: [Blank] Signature: [Blank] Affiliation: [Blank]

Sample Received on Ice? Yes No
 Cooler/Sample Secure? Yes No
 Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
 If Shipped: Tracking Number & Temp - See Attached
 Hand Delivered to Region []

The accredited column designates accreditation by A - AZLA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

See Attached for
 Tracking # and Temp



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

3/23/22 2:25 AAS
 Date Time Tech
 Temp: 2.3 / 2.3 C

Therm#: 6205 Corr Fact: 0.0 C

HICKMAN
HOT SHOT SERVICE
 835 North Street, Gilmer, Texas 75644
 903-808-7402

Delivery Confirmation Sheet

Delivery Date:	3-23-2022
Pick-Up From:	AnaLAB BC
Released By:	X
Deliver To:	AnaLAB Kilgore
Received By:	X <i>Interim</i>
Delivery Time:	1940
Notes:	
1 Cooler to BC	
5 Coolers to Kilgore	
Delivery Charge:	
Other Charges:	
Total Charges:	

Thank you for choosing Hickman HotShot as your courier service provider.

Drivers Signature: *[Signature]*

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-



Printed 04/13/2023 11:40

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SAMPLE CROSS REFERENCE

Project
1012079

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Printed 4/13/2023 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2092484	Effluent II QUARTER	05/13/2022	07:00:00	05/19/2022

Bottle 01 Glass /clean metals w/HCl
 Bottle 02 16 oz HNO3 Metals Plastic
 Bottle 03 Prepared Bottle: ICP Preparation for Metals (Batch 1008312) Volume: 50.00000 mL <== Derived from 02 (50 ml)
 Bottle 04 Prepared Bottle: Mercury Preparation for Metals (Batch 1008515) Volume: 50.00000 mL <== Derived from 01 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	03	1008312	05/23/2022	1008861	05/25/2022
EPA 200.8 5.4	03	1008312	05/23/2022	1008454	05/23/2022
EPA 245.7 2	04	1008515	05/24/2022	1008633	05/24/2022

Sample	Sample ID	Taken	Time	Received
2092485	Effluent II QUARTER	05/19/2022		05/19/2022

Bottle 01 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 02 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 03 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1008025) Volume: 50.00000 mL <== Derived from 02 (50 ml)
 Bottle 04 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1008294) Volume: 10.00000 mL <== Derived from 01 (5 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ E-2016	04	1008294	05/23/2022	1008526	05/24/2022
EPA 420.4 1	03	1008025	05/20/2022	1008136	05/20/2022



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1012079

Printed: 04/13/2023

RESULTS

Sample Results

2092484 Effluent II QUARTER comp: 5-12 0700 to 5-13 0700 Received: 05/19/2022

Non-Potable Water Collected by: Client City of Nashville PO:
 Composite Stop 07:00 5/13/22 Taken: 05/13/2022 07:00:00

client provides their own sampler

		Prepared:	05/23/2022	12:32:49	Calculated	05/23/2022	12:32:49	CAL		
Parameter	Results	Units	RL	Flags	CAS	Bottle				
LL Mercury Test Prep	Verified									
EPA 200.8 5.4		Prepared:	1008312	05/23/2022	10:30:00	Analyzed	1008454	05/23/2022	18:06:00	ALH
NELAC	Copper, Total	0.00124	mg/L	0.001			7440-50-8		03	
EPA 200.8 5.4		Prepared:	1008312	05/23/2022	10:30:00	Analyzed	1008861	05/25/2022	14:36:00	ALH
NELAC	Antimony, Total	0.000986	mg/L	0.001		JB	7440-36-0		03	
NELAC	Arsenic, Total	0.000504	mg/L	0.0005			7440-38-2		03	
NELAC	Beryllium, Total	<0.0000605	mg/L	0.0000605			7440-41-7		03	
NELAC	Cadmium, Total	<0.000095	mg/L	0.000095			7440-43-9		03	
NELAC	Chromium, Total	0.000916	mg/L	0.001		J	7440-47-3		03	
NELAC	Lead, Total	<0.00025	mg/L	0.00025			7439-92-1		03	
NELAC	Molybdenum, Total	0.00215	mg/L	0.0005		B	7439-98-7		03	
NELAC	Nickel, Total	0.00979	mg/L	0.001			7440-02-0		03	
NELAC	Selenium, Total	0.00147	mg/L	0.002		J	7782-49-2		03	
NELAC	Silver, Total	<0.0000628	mg/L	0.0000628			7440-22-4		03	
NELAC	Thallium, Total	<0.00025	mg/L	0.00025			7440-28-0		03	
NELAC	Zinc, Total	0.00574	mg/L	0.005			7440-66-6		03	
EPA 245.7 2		Prepared:	1008515	05/24/2022	11:35:00	Analyzed	1008633	05/24/2022	16:25:00	ALH
NELAC	Mercury, Total (low level)	0.00000798	mg/L	0.00000426			7439-97-6		04	



NASH-L

City of Nashville
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 Nashville, AR 71852-

Project
1012079

Printed: 04/13/2023

2092485 Effluent II QUARTER

4 part grab

Received: 05/19/2022

Non-Potable Water

Collected by: Client

Ana-Lab

PO:

Taken: 05/19/2022

Sample 1: Date: 5/12/22 Time: 0700 Tech: KF CNa, Phna
 Sample 2: Date: 5/12/22 Time: 1500 Tech: KF CNa, Phna
 Sample 3: Date: 5/12/22 Time: 2300 Tech: KF CNa, Phna
 Sample 4: Date: 5/13/22 Time: 0700 Tech: KF CNa, Phna
 Composite in lab

EPA 420.4 I

Prepared: 1008025 05/20/2022 08:29:01 Analyzed 1008136 05/20/2022 12:50:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Phenolics, Total Recoverable	<0.00422	mg/L	0.00422			03

SM 4500-CN⁻E-2016

Prepared: 1008294 05/23/2022 08:39:21 Analyzed 1008526 05/24/2022 08:30:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Cyanide, total	<0.00238	mg/L	0.00238			04

Sample Preparation

2092484 Effluent II QUARTER

comp: 5-12 0700 to 5-13 0700

Received: 05/19/2022

Composite Stop 07:00 5/13/22 05/13/2022

Prepared: 05/20/2022 15:32:00 Analyzed 05/20/2022 15:32:00 CCP

Bottle pH	<2	SU				02
-----------	----	----	--	--	--	----

Prepared: 05/23/2022 12:32:49 Calculated 05/23/2022 12:32:49 CAL

Environmental Fee (per Project)	Verified					
---------------------------------	----------	--	--	--	--	--

EPA 200.2 2.8

Prepared: 1008312 05/23/2022 10:30:00 Analyzed 1008312 05/23/2022 10:30:00 TES

Liquid Metals Digestion	50/50	ml				02
-------------------------	-------	----	--	--	--	----



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1012079

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2092484 Effluent II QUARTER comp: 5-12 0700 to 5-13 0700 Received: 05/19/2022

Composite Stop 07:00 5/13/22 05/13/2022

EPA 245.7 2 Prepared: 1008515 05/24/2022 11:35:00 Analyzed 1008515 05/24/2022 11:35:00 ALH

NELAC **Low Level Mercury Liquid Metals** 50/47 ml 01

2092485 Effluent II QUARTER 4 part grab Received: 05/19/2022

05/19/2022

EPA 420.4 1 Prepared: 1008025 05/20/2022 08:29:01 Analyzed 1008025 05/20/2022 08:29:01 LPI

NELAC **Phenol Distillation** 50/50 ml 02

SM 4500-CN⁻ C-2016 Prepared: 1008294 05/23/2022 08:39:21 Analyzed 1008294 05/23/2022 08:39:21 LPI

NELAC **Cyanide Distillation** 10/5 ml 01

Qualifiers:

J - Analyte detected below quantitation limit B - Analyte detected in the associated method blank

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see <https://www.ana-lab-work.com/index.php/accreditations/>
 These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.
 RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275 Kilgore, TX 75663
Office: 903-984-0551 * Fax: 903-984-5914

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Project
1012079

Printed: 04/13/2023

Bill Peery

Bill Peery, MS, VP Technical Services



QUALITY CONTROL



Testing the Limits of Science and Service

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Page 1 of 7

Project
1012079

Printed 04/13/2023

Analytical Set **1008136**

EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1008025	ND	0.00422	0.005	mg/L	123652219

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.195	0.200	mg/L	97.5	90.0 - 110	123652211
Phenolics, Total Recoverable	0.182	0.200	mg/L	91.0	90.0 - 110	123652220
Phenolics, Total Recoverable	0.193	0.200	mg/L	96.5	90.0 - 110	123652231
Phenolics, Total Recoverable	0.180	0.200	mg/L	90.0	90.0 - 110	123652241

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Phenolics, Total Recoverable	2091770	ND	ND	mg/L		20.0
Phenolics, Total Recoverable	2091771	ND	0.005	mg/L	200 *	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.194	0.200	mg/L	97.0	90.0 - 110	123652210

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1008025	0.206	0.203	0.200	90.0 - 110	103	102	mg/L	1.47	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Phenolics, Total Recoverable	2091770	0.197	ND	0.200	mg/L	98.5	90.0 - 110	123652225
Phenolics, Total Recoverable	2091771	0.199	0.005	0.200	mg/L	97.0	90.0 - 110	123652228

Analytical Set **1008526**

SM 4500-CN E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1008294	0.0017	0.00119	0.0025	mg/L	123662647

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.510	0.500	mg/L	102	90.0 - 110	123662646
Cyanide, total	0.477	0.500	mg/L	95.4	90.0 - 110	123662649
Cyanide, total	0.506	0.500	mg/L	101	90.0 - 110	123662660
Cyanide, total	0.510	0.500	mg/L	102	90.0 - 110	123662670
Cyanide, total	0.508	0.500	mg/L	102	90.0 - 110	123662677

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2092236	ND	ND	mg/L		20.0
Cyanide, total	2093039	ND	ND	mg/L		20.0



Report Page 7 of 21

QUALITY CONTROL

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Project
1012079

Printed 04/13/2023

ICV										
Parameter	Reading	Known	Units	Recover%	Limits%	File				
Cyanide, total	0.188	0.200	mg/L	94.0	90.0 - 110	123662645				
LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1008294	0.192	0.194	0.200	90.0 - 110	96.0	97.0	mg/L	1.04	20.0
Mat. Spike										
Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File		
Cyanide, total	2092236	0.378	ND	0.400	mg/L	94.5	90.0 - 110	123662653		
Cyanide, total	2093039	0.384	ND	0.400	mg/L	96.0	90.0 - 110	123662656		

Analytical Set 1008454

EPA 200.8 5.4

Blank											
Parameter	PrepSet	Reading	MDL	MQL	Units	File					
Copper, Total	1008312	0.00271	0.0005	0.001	mg/L	* 123661144					
CCV											
Parameter	Reading	Known	Units	Recover%	Limits%	File					
Copper, Total	0.0543	0.05	mg/L	109	90.0 - 110	123660844					
Copper, Total	0.0538	0.05	mg/L	108	90.0 - 110	123660848					
Copper, Total	0.054	0.05	mg/L	108	90.0 - 110	123660849					
Copper, Total	0.0453	0.05	mg/L	90.6	90.0 - 110	123660860					
Copper, Total	0.0529	0.05	mg/L	106	90.0 - 110	123660869					
Copper, Total	0.0534	0.05	mg/L	107	90.0 - 110	123660874					
Copper, Total	0.0524	0.05	mg/L	105	90.0 - 110	123660885					
Copper, Total	0.0522	0.05	mg/L	104	90.0 - 110	123660895					
Copper, Total	0.0515	0.05	mg/L	103	90.0 - 110	123660906					
Copper, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	123660908					
ICV											
Parameter	Reading	Known	Units	Recover%	Limits%	File					
Copper, Total	0.0517	0.05	mg/L	103	90.0 - 110	123660835					
LCS Dup											
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%	
Copper, Total	1008312	0.536	0.534	0.500	85.0 - 115	107	107	mg/L	0.374	20.0	
LDR											
Parameter	Reading	Known	Units	Recover%	Limits%	File					
Thallium, Total	11.0	10	mg/L	110	90.0 - 110	123660841					
MRL Check											
Parameter	Reading	Known	Units	Recover%	Limits%	File					
Copper, Total	0.000927	0.001	mg/L	92.7	25.0 - 175	123660837					
MSD											
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Copper, Total	2092848	0.494	0.500	ND	0.500	70.0 - 130	98.8	100	mg/L	1.21	20.0



QUALITY CONTROL

NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1012079

Printed 04/13/2023

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Thallium, Total	2092848	0.265	0.471	ND	0.500	70.0 - 130	53.0 *	94.2	mg/L	56.0 *	20.0
Antimony, Total	2092979	0.532	0.533	0.000925	0.500	70.0 - 130	106	106	mg/L	0.188	20.0
Copper, Total	2092979	0.532	0.545	0.00276	0.500	70.0 - 130	106	108	mg/L	2.43	20.0
Nickel, Total	2092979	0.519	0.535	0.000551	0.500	70.0 - 130	104	107	mg/L	3.04	20.0

Analytical Set 1008633

EPA 245.7 2

AWRL/MRL C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	5.30	5.00	ng/L	106	70.0 - 130	123663973

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1008515	ND	0.573	4.00	ng/L	123663974

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	44.4	50.0	ng/L	88.8	87.0 - 113	123663971
Mercury, Total (low level)	53.6	50.0	ng/L	107	87.0 - 113	123663972
Mercury, Total (low level)	53.1	50.0	ng/L	106	87.0 - 113	123663983
Mercury, Total (low level)	54.5	50.0	ng/L	109	87.0 - 113	123663989

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	99.2	100	ng/L	99.2	90.0 - 110	123663969

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	54.3	50.0	ng/L	109	90.0 - 110	123663970

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1008515	52.7	52.5	50.0	76.0 - 113	105	105	ng/L	0.380	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2091668	56.2	58.0	0.851	53.2	67.0 - 111	104	107	ng/L	3.20	18.0

Analytical Set 1008861

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Antimony, Total	1008312	0.00115	0.000399	0.001	mg/L	123668985
Arsenic, Total	1008312	0.000348	0.00025	0.0005	mg/L	123668985
Beryllium, Total	1008312	ND	0.000060	0.0005	mg/L	123668985
Cadmium, Total	1008312	ND	0.000095	0.0005	mg/L	123668985
Chromium, Total	1008312	0.000861	0.0005	0.001	mg/L	123668985
Copper, Total	1008312	0.00247	0.0005	0.001	mg/L	123668985
Lead, Total	1008312	0.000384	0.00025	0.0005	mg/L	123668985



QUALITY CONTROL

NASH-L

City of Nashville
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Blank

Parameter	Prep/Set	Reading	MDL	MQL	Units	File
Molybdenum, Total	1008312	0.00144	0.00025	0.0005	mg/L	123668985
Nickel, Total	1008312	ND	0.0005	0.001	mg/L	123668985
Selenium, Total	1008312	0.000965	0.000728	0.002	mg/L	123668985
Silver, Total	1008312	ND	0.0000628	0.0002	mg/L	123668985
Thallium, Total	1008312	ND	0.00025	0.0005	mg/L	123668985
Zinc, Total	1008312	ND	0.0025	0.005	mg/L	123668985

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0506	0.05	mg/L	101	90.0 - 110	123668984
Antimony, Total	0.051	0.05	mg/L	102	90.0 - 110	123668991
Antimony, Total	0.0509	0.05	mg/L	102	90.0 - 110	123668995
Antimony, Total	0.0504	0.05	mg/L	101	90.0 - 110	123669005
Arsenic, Total	0.0501	0.05	mg/L	100	90.0 - 110	123668984
Arsenic, Total	0.052	0.05	mg/L	104	90.0 - 110	123668991
Arsenic, Total	0.050	0.05	mg/L	100	90.0 - 110	123668995
Arsenic, Total	0.0502	0.05	mg/L	100	90.0 - 110	123669005
Arsenic, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	123669016
Arsenic, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	123669027
Beryllium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	123668984
Beryllium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123668991
Beryllium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	123668995
Beryllium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	123669005
Cadmium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	123668984
Cadmium, Total	0.050	0.05	mg/L	100	90.0 - 110	123668991
Cadmium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	123668995
Cadmium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	123669005
Chromium, Total	0.0518	0.05	mg/L	104	90.0 - 110	123668984
Chromium, Total	0.0523	0.05	mg/L	105	90.0 - 110	123668991
Chromium, Total	0.052	0.05	mg/L	104	90.0 - 110	123668995
Chromium, Total	0.0526	0.05	mg/L	105	90.0 - 110	123669005
Lead, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	123668984
Lead, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	123668991
Lead, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	123668995
Lead, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123669005
Molybdenum, Total	0.0528	0.05	mg/L	106	90.0 - 110	123668984
Molybdenum, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	123668995
Molybdenum, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	123669005
Nickel, Total	0.0506	0.05	mg/L	101	90.0 - 110	123668984
Nickel, Total	0.0507	0.05	mg/L	101	90.0 - 110	123668991
Nickel, Total	0.0506	0.05	mg/L	101	90.0 - 110	123668995
Nickel, Total	0.0504	0.05	mg/L	101	90.0 - 110	123669005
Nickel, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	123669027
Selenium, Total	0.050	0.05	mg/L	100	90.0 - 110	123668984
Selenium, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	123668995



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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Selenium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123669005
Selenium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	123669016
Selenium, Total	0.0475	0.05	mg/L	95.0	90.0 - 110	123669027
Silver, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	123668984
Silver, Total	0.0501	0.05	mg/L	100	90.0 - 110	123668991
Silver, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	123668995
Silver, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123669005
Silver, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	123669016
Silver, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	123669027
Thallium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	123668984
Thallium, Total	0.050	0.05	mg/L	100	90.0 - 110	123668991
Thallium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	123668995
Thallium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	123669005
Zinc, Total	0.0502	0.05	mg/L	100	90.0 - 110	123668984
Zinc, Total	0.0506	0.05	mg/L	101	90.0 - 110	123668991
Zinc, Total	0.0503	0.05	mg/L	101	90.0 - 110	123668995
Zinc, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	123669005
Zinc, Total	0.0501	0.05	mg/L	100	90.0 - 110	123669016
Zinc, Total	0.0507	0.05	mg/L	101	90.0 - 110	123669027

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.051	0.05	mg/L	102	90.0 - 110	123668975
Arsenic, Total	0.050	0.05	mg/L	100	90.0 - 110	123668975
Beryllium, Total	0.0501	0.05	mg/L	100	90.0 - 110	123668975
Cadmium, Total	0.0502	0.05	mg/L	100	90.0 - 110	123668975
Chromium, Total	0.0511	0.05	mg/L	102	90.0 - 110	123668975
Lead, Total	0.0502	0.05	mg/L	100	90.0 - 110	123668975
Molybdenum, Total	0.048	0.05	mg/L	96.0	90.0 - 110	123668975
Nickel, Total	0.0515	0.05	mg/L	103	90.0 - 110	123668975
Selenium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	123668975
Silver, Total	0.0462	0.05	mg/L	92.4	90.0 - 110	123668975
Thallium, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	123668975
Zinc, Total	0.0504	0.05	mg/L	101	90.0 - 110	123668975

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1008312	0.494	0.499	0.500	85.0 - 115	98.8	99.8	mg/L	1.01	20.0
Arsenic, Total	1008312	0.511	0.514	0.500	85.0 - 115	102	103	mg/L	0.585	20.0
Beryllium, Total	1008312	0.206	0.205	0.200	85.0 - 115	103	102	mg/L	0.487	20.0
Cadmium, Total	1008312	0.256	0.258	0.250	85.0 - 115	102	103	mg/L	0.778	20.0
Chromium, Total	1008312	0.502	0.509	0.500	85.0 - 115	100	102	mg/L	1.38	20.0
Copper, Total	1008312	0.518	0.516	0.500	85.0 - 115	104	103	mg/L	0.387	20.0
Lead, Total	1008312	0.497	0.500	0.500	85.0 - 115	99.4	100	mg/L	0.602	20.0
Molybdenum, Total	1008312	0.545	0.552	0.500	85.0 - 115	109	110	mg/L	1.28	20.0



QUALITY CONTROL

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City of Nashville
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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nickel, Total	1008312	0.519	0.519	0.500	85.0 - 115	104	104	mg/L	0	20.0
Selenium, Total	1008312	0.504	0.508	0.500	85.0 - 115	101	102	mg/L	0.791	20.0
Silver, Total	1008312	0.103	0.105	0.100	85.0 - 115	103	105	mg/L	1.92	20.0
Thallium, Total	1008312	0.495	0.494	0.500	85.0 - 115	99.0	98.8	mg/L	0.202	20.0
Zinc, Total	1008312	0.517	0.512	0.500	85.0 - 115	103	102	mg/L	0.972	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.940	1	mg/L	94.0	90.0 - 110	123668981
Arsenic, Total	9.48	10	mg/L	94.8	90.0 - 110	123668981
Beryllium, Total	9.83	10	mg/L	98.3	90.0 - 110	123668981
Cadmium, Total	9.74	10	mg/L	97.4	90.0 - 110	123668981
Chromium, Total	9.57	10	mg/L	95.7	90.0 - 110	123668981
Copper, Total	9.23	10	mg/L	92.3	90.0 - 110	123668981
Lead, Total	9.61	10	mg/L	96.1	90.0 - 110	123668981
Molybdenum, Total	10.2	10	mg/L	102	90.0 - 110	123668981
Nickel, Total	9.62	10	mg/L	96.2	90.0 - 110	123668981
Selenium, Total	10.1	10	mg/L	101	90.0 - 110	123668981
Thallium, Total	9.48	10	mg/L	94.8	90.0 - 110	123668981
Zinc, Total	9.67	10	mg/L	96.7	90.0 - 110	123668981

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lead, Total	0.00101	0.001	mg/L	101	25.0 - 175	123668977

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Antimony, Total	2092848	0.460	0.464	0.000852	0.500	70.0 - 130	91.8	92.6	mg/L	0.867	20.0
Arsenic, Total	2092848	0.470	0.477	0.000285	0.500	70.0 - 130	93.9	95.3	mg/L	1.48	20.0
Beryllium, Total	2092848	0.188	0.183	ND	0.200	70.0 - 130	94.0	91.5	mg/L	2.70	20.0
Cadmium, Total	2092848	0.235	0.228	ND	0.250	70.0 - 130	94.0	91.2	mg/L	3.02	20.0
Chromium, Total	2092848	0.455	0.458	ND	0.500	70.0 - 130	91.0	91.6	mg/L	0.657	20.0
Copper, Total	2092848	0.476	0.465	0.00193	0.500	70.0 - 130	94.8	92.6	mg/L	2.35	20.0
Molybdenum, Total	2092848	0.524	0.533	0.00383	0.500	70.0 - 130	104	106	mg/L	1.72	20.0
Nickel, Total	2092848	0.467	0.454	0.00341	0.500	70.0 - 130	92.7	90.1	mg/L	2.84	20.0
Selenium, Total	2092848	0.442	0.454	0.00117	0.500	70.0 - 130	88.2	90.6	mg/L	2.69	20.0
Silver, Total	2092848	0.0945	0.0924	ND	0.100	70.0 - 130	94.5	92.4	mg/L	2.25	20.0
Thallium, Total	2092848	0.443	0.431	ND	0.500	70.0 - 130	88.6	86.2	mg/L	2.75	20.0
Antimony, Total	2092979	0.499	0.501	0.00139	0.500	70.0 - 130	99.5	99.9	mg/L	0.401	20.0
Arsenic, Total	2092979	0.514	0.514	0.00186	0.500	70.0 - 130	102	102	mg/L	0	20.0
Beryllium, Total	2092979	0.201	0.207	0.0000749	0.200	70.0 - 130	100	103	mg/L	2.94	20.0
Cadmium, Total	2092979	0.255	0.262	ND	0.250	70.0 - 130	102	105	mg/L	2.71	20.0
Chromium, Total	2092979	0.502	0.506	0.000594	0.500	70.0 - 130	100	101	mg/L	0.795	20.0
Copper, Total	2092979	0.519	0.530	0.00309	0.500	70.0 - 130	103	105	mg/L	2.11	20.0
Lead, Total	2092979	0.493	0.504	0.00046	0.500	70.0 - 130	98.5	101	mg/L	2.21	20.0
Molybdenum, Total	2092979	0.575	0.569	0.00734	0.500	70.0 - 130	114	112	mg/L	1.06	20.0



QUALITY CONTROL

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Nickel, Total	2092979	0.513	0.529	0.000562	0.500	70.0 - 130	102	106	mg/L	3.07	20.0
Selenium, Total	2092979	0.503	0.500	0.00337	0.500	70.0 - 130	99.9	99.3	mg/L	0.602	20.0
Silver, Total	2092979	0.102	0.106	ND	0.100	70.0 - 130	102	106	mg/L	3.85	20.0
Thallium, Total	2092979	0.483	0.494	ND	0.500	70.0 - 130	96.6	98.8	mg/L	2.25	20.0
Zinc, Total	2092979	0.664	0.677	0.149	0.500	70.0 - 130	103	106	mg/L	2.49	20.0

* Out RPD is Relative Percent Difference: $\frac{\text{abs}(r1-r2)}{\text{mean}(r1,r2)} * 100\%$

Recover% is Recovery Percent: $\frac{\text{result}}{\text{known}} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LDR - Linear Dynamic Range Standard; MRL Check - Minimum Reporting Limit Check Std; AWRL/MRL C - Ambient Water Reporting Limit/Minimum Reporting Limit Check Std



1012079 CoC Print Group 001 of 001



Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008
Employee Owned Integrity Caring Continual Improvement

Chain of Custody

NASH-L

S6

COC Printed 08/21/2019 Page 1 of 2

Lab Number 2092484

PO Number

Phone 870/845-4522

Fax 870/845-7409

II QUARTER

Effluent
Influent Table III Comp

RUSH 7 Day

Matrix: Non-Potable Water

Sample Collection Start

Date: 12 May 22 Time: 0700
Sampler Printed Name: Kevin Funderburt

Sampler Affiliation: NPW

Sampler Signature: Kevin Funderburt

Sample Collection Stop

Date: 13 May 22 Time: 0700
Sampler Printed Name: Kevin Funderburt

Sampler Affiliation: NPW

Sampler Signature: Kevin Funderburt

Z - No bottle required

	BP2	Sec BP2	CAS:N/A
I	HNO3 to pH <2 Polyethylene 500 mL for Metals		
N	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
N	*AsM	Arsenic, Total	EPA 200.8 5.4 CAS:7440-38-2 (180 days)
N	*BeM	Beryllium, Total	EPA 200.8 5.4 CAS:7440-41-7 (180 days)
N	*CdM	Cadmium, Total	EPA 200.8 5.4 CAS:7440-43-9 (180 days)
N	*CrM	Chromium, Total	EPA 200.8 5.4 CAS:7440-47-3 (180 days)
N	*CuM	Copper, Total	EPA 200.8 5.4 CAS:7440-50-8 (180 days)
N	*MoM	Molybdenum, Total	EPA 200.8 5.4 CAS:7439-98-7 (180 days)
N	*NiM	Nickel, Total	EPA 200.8 5.4 CAS:7440-02-0 (180 days)
N	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
N	*SbM	Antimony, Total	EPA 200.8 5.4 CAS:7440-36-0 (180 days)
N	*SeM	Selenium, Total	EPA 200.8 5.4 CAS:7782-49-2 (180 days)
N	*TlM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
N	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
N	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
I	Glass 500 ml/clean metals w/HCl		
N	*HgI	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (28.0 days)
N	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (28.0 days)
	HgKt	LL Mercury Test Prep	

SUB TO
A & B



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



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1012079 CoC Print Group 001 of 001



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Chain of Custody

NASH-L

S6

Phone 870/845-4522
 Fax 870/845-7409

Report To

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Ambient Conditions/Comments

Date	Time	Relinquished	Received
5.18.22	1250	Printed Name: Kevin Funderburk Affiliation: NPU Signature: [Signature]	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: [Signature]
5.18.22	1645	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: [Signature]	Printed Name: Hickman Hotshot Service Affiliation: [Affiliation] Signature: [Signature]
5.18.22	2005	Printed Name: Hickman Hotshot Service Affiliation: [Affiliation] Signature: [Signature]	Printed Name: Secure Login Area Affiliation: [Affiliation] Signature: [Signature]
5/19/22	0600	Printed Name: [Signature] Affiliation: [Affiliation] Signature: [Signature]	Printed Name: RAYSHAWN THOMPSON Affiliation: ANA-LAB Signature: [Signature]

Sample Received on Ice? Yes No
 Cooler/Sample Secure? Yes No
 Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
 If Shipped: Tracking Number & Temp - See Attached Hand Delivered to Region []

The accredited column designates accreditation by A - AZLA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000333.

Comments



1012079 CoC Print Group 001 of 001



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Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008
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Chain of Custody

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NASH-L
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Lab Number 2092485
PO Number _____
Phone 870/845-4522
Fax 870/845-7409

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

II QUARTER

Effluent
Inflow Table III Grab

Sample 1: Date: 12/11/22 Time: 0700 Tech: KE CNa, Phna
Sample 2: Date: 12/11/22 Time: 1600 Tech: KE CNa, Phna
Sample 3: Date: 12/11/22 Time: 2300 Tech: KE CNa, Phna
Sample 4: Date: 12/11/22 Time: 0700 Tech: KE CNa, Phna
Composite in lab

Matrix: Non-Potable Water

Sample Collection Start

Date: 12/11/22 Time: 0700
Sampler Printed Name: Kevin Funderbark
Sampler Affiliation: NFW
Sampler Signature: Kevin Funderbark

On Site Testing

C1Ck Field C12 Check for CNa

Field C12 Check for CNa Quality Control

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____
Results _____ Units _____ Temp. _____ C Duplicate _____ Units _____ Temp. _____ C

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa Quality Control

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____
Results _____ Units _____ Temp. _____ C Duplicate _____ Units _____ Temp. _____ C

I	H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid	
N	Phna Phenolics, Total Recoverable	EPA 420.4 I (28.0 days)
I	Z - No bottle required	
	mix Composite Sample	Composite Sample
I	NaOH to pH >12 Polyethylene 250 mL/amber	
N	CNa Cyanide, total	SM 4500-CN ⁻ E-2011 (14.0 days)

Ambient Conditions/Comments



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



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1012079 CoC Print Group 001 of 001



Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008
Employee Owned Integrity Caring Continual Improvement

Chain of Custody

COC Printed 08/21/2019 Page 2 of 2

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

NASH-L
113

Phone 870/845-4522
Fax 870/845-7409

Date	Time	Relinquished	Received
5.18.22	1250	Printed Name: Kevin Funderburk Affiliation: AFU Signature: [Signature]	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: [Signature]
5.18.22	1645	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: [Signature]	Printed Name: Hickman Hotshot Service Affiliation: Hickman Hotshot Service Signature: [Signature]
5.18.22	2005	Printed Name: Hickman Hotshot Service Affiliation: Hickman Hotshot Service Signature: [Signature]	Printed Name: Secure Login Area Affiliation: Secure Login Area Signature: [Signature]
5/19/22	0600	Printed Name: [Signature] Affiliation: [Signature] Signature: [Signature]	Printed Name: RAYSHAWN THOMPSON Affiliation: ANA-LAB Signature: [Signature]

Sample Received on Ice? Yes No
 Cooler/Sample Secure? Yes No
 Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
 If Shipped: Tracking Number & Temp - See Attached Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments



1012079 CoC Print Group 001 of 001

**HICKMAN
HOT SHOT SERVICE**
835 North Street, Gilmer, Texas 75644
903-808-7402

Delivery Confirmation Sheet

Delivery Date:	5-18-2022
Pick-Up From:	ANALAB BC
Released By:	X
Deliver To:	ANALAB Kilgore
Received By:	X
Delivery Time:	2005
Notes:	
4 coolers Delivered to Kilgore	
Delivery Charge:	
Other Charges:	
Total Charges:	

Thank

Drivers Sign: 5/19 0615 RT
Date Time Tech
2.3/2.4
Temp

Therm#: 6093 Corr Fact: 0.1 C

1012079 CoC Print Group 001 of 001



Report To:

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

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Employee Owned Integrity Caring Continual Improvement

Chain of Custody

NASH-L

S6

COC Printed 08/21/2019 Page 1 of 2

Lab Number 2092484
PO Number _____
Phone 870/845-4522
Fax 870/845-7409

II QUARTER

Effluent
Influent Table III Comp

RUSH 7 Day

Matrix: Non-Potable Water
Sample Collection Start

Date: 12 May 22 Time: 0700
Sampler Printed Name: Kevin Funderburk
Sampler Affiliation: MPW
Sampler Signature: Kevin Funderburk

Sample Collection Stop
Date: 13 May 22 Time: 0700
Sampler Printed Name: Kevin Funderburk
Sampler Affiliation: MPW
Sampler Signature: Kevin Funderburk

Z - No bottle required

	BP2	See BP2	CAS:N/A
	1	HNO3 to pH < Polyethylene 500 mL for Metals	
N	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
N	*AsM	Arsenic, Total	EPA 200.8 5.4 CAS:7440-38-2 (180 days)
N	*BeM	Beryllium, Total	EPA 200.8 5.4 CAS:7440-41-7 (180 days)
N	*CdM	Cadmium, Total	EPA 200.8 5.4 CAS:7440-43-9 (180 days)
N	*CrM	Chromium, Total	EPA 200.8 5.4 CAS:7440-47-3 (180 days)
N	*CuM	Copper, Total	EPA 200.8 5.4 CAS:7440-50-8 (180 days)
N	*MoM	Molybdenum, Total	EPA 200.8 5.4 CAS:7439-98-7 (180 days)
N	*NiM	Nickel, Total	EPA 200.8 5.4 CAS:7440-02-0 (180 days)
N	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
N	*SbM	Antimony, Total	EPA 200.8 5.4 CAS:7440-36-0 (180 days)
N	*SeM	Selenium, Total	EPA 200.8 5.4 CAS:7782-49-2 (180 days)
N	*TlM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
N	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
N	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
	1	Glass 500 ml / clean metals w/HCl	
N	*HgI	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (28.0 days)
N	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (28.0 days)
	HgKt	LL Mercury Test Prep	

ONLY

Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

1012079 CoC Print Group 001 of 001



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Employee Owned Integrity Caring Continual Improvement

COC Printed 08/21/2019 Page 2 of 2

Chain of Custody

NASH-L

S6

Phone 870/845-4522
Fax 870/845-7409

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Ambient Conditions/Comments

Date	Time	Relinquished	Received
5.18.22	1250	Printed Name: Kevin Funderburk Signature: <i>[Signature]</i> Affiliation: NPW	Printed Name: Mark Hirsch Signature: <i>[Signature]</i> Affiliation: Ana-lab
5.18.22	1645	Printed Name: Mark Hirsch Signature: <i>[Signature]</i> Affiliation: Ana-lab	Printed Name: Hickman Hotshot Service Signature: <i>[Signature]</i> Affiliation: Hickman Hotshot Service
5/19/22	5:10	Printed Name: Hickman Hotshot Service Signature: <i>[Signature]</i> Affiliation: Hickman Hotshot Service	Printed Name: Secure Login Area Signature: <i>[Signature]</i> Affiliation: Secure Login Area
5/19/22	2050	Printed Name: Secure Login Area Signature: <i>[Signature]</i> Affiliation: Secure Login Area	Printed Name: CHRISTI PARKER ANA-LAB Signature: <i>[Signature]</i> Affiliation: ANA-LAB

Sample Received on Ice? Yes No
 Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
 Cooler/Sample Secure? Yes No
 If Shipped: Tracking Number & Temp - See Attached
 Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossler City LA 71111



NELAP-accredited #T104704201-19-15



NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Printed 04/13/2023 11:21

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SAMPLE CROSS REFERENCE

Project
1038712

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Printed 4/13/2023 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2152978	Effluent Table III Comp-QTR IV	12/14/2022	07:00:00	12/14/2022

Bottle 01 HNO3 to pH <2 Polyethylene 500 mL for Metals
 Bottle 02 Client supplied HCl Clean Metals Bottle
 Bottle 03 Prepared Bottle: Mercury Preparation for Metals (Batch 1039907) Volume: 50.00000 mL <== Derived from 02 (47 ml)
 Bottle 04 Prepared Bottle: ICP Preparation for Metals (Batch 1041073) Volume: 50.00000 mL <== Derived from 01 (50 ml)
 Bottle 05 Prepared Bottle: ICP Preparation for Metals (Batch 1043922) Volume: 50.00000 mL <== Derived from 01 (50 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	05	1043922	01/13/2023	1044324	01/16/2023
EPA 200.8 5.4	05	1043922	01/13/2023	1044507	01/17/2023
EPA 200.8 5.4	04	1041073	12/22/2022	1042984	01/06/2023
EPA 200.8 5.4	04	1041073	12/22/2022	1043177	01/09/2023
EPA 245.7 2	03	1039907	12/15/2022	1040074	12/15/2022

Sample	Sample ID	Taken	Time	Received
2152979	Effluent Table III Grab-QTR IV	12/14/2022	07:00:00	12/14/2022

Bottle 01 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
 Bottle 02 NaOH to pH >12 Polyethylene 250 mL/amber
 Bottle 03 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1040294) Volume: 50.00000 mL <== Derived from 01 (50 ml)
 Bottle 04 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1041211) Volume: 10.00000 mL <== Derived from 02 (5 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN ⁻ E-2016	04	1041211	12/27/2022	1041305	12/27/2022
SM 4500-CN ⁻ E-2016			12/27/2022		12/27/2022
EPA 420.4 1	03	1040294	12/17/2022	1040888	12/21/2022



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City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1038712

Report Date: 01/18/2023
 Printed: 04/13/2023

RESULTS

Sample Results

2152978 Effluent Table III Comp-QTR IV Comp: 12/13 0700 - 12/14 0700 Received: 12/14/2022
 Non-Potable Water Collected by: Client City of Nashville PO:
 Composite Stop 07:00 12/14/22 Taken: 12/14/2022 07:00:00
 client provides their own sampler

		Prepared:	12/16/2022	15:20:10	Calculated	12/16/2022	15:20:10	CAL		
Parameter	Results	Units	RL	Flags	CAS	Bottle				
LL Mercury Test Prep	Verified									
EPA 200.8 5.4		Prepared:	1041073	12/22/2022	10:11:00	Analyzed	1042984	01/06/2023	15:10:00	JC2
NELAC	Beryllium, Total	<0.0000605	mg/L	0.0000605			7440-41-7			04
NELAC	Lead, Total	0.000766	mg/L	0.0005			7439-92-1			04
NELAC	Nickel, Total	0.016	mg/L	0.001			7440-02-0			04
NELAC	Selenium, Total	<0.000728	mg/L	0.000728			7782-49-2			04
EPA 200.8 5.4		Prepared:	1041073	12/22/2022	10:11:00	Analyzed	1043177	01/09/2023	20:25:00	JC2
NELAC	Cadmium, Total	<0.000095	mg/L	0.000095			7440-43-9			04
NELAC	Molybdenum, Total	0.0019	mg/L	0.0005			7439-98-7			04
NELAC	Zinc, Total	0.077	mg/L	0.005			7440-66-6			04
EPA 200.8 5.4		Prepared:	1043922	01/13/2023	10:30:00	Analyzed	1044324	01/16/2023	16:26:00	JC2
NELAC	Antimony, Total	0.00124	mg/L	0.001			7440-36-0			05
NELAC	Copper, Total	0.00906	mg/L	0.001			7440-50-8			05
NELAC	Silver, Total	0.000124	mg/L	0.0002	J		7440-22-4			05
NELAC	Thallium, Total	<0.00025	mg/L	0.00025			7440-28-0			05
EPA 200.8 5.4		Prepared:	1043922	01/13/2023	10:30:00	Analyzed	1044507	01/17/2023	17:52:00	JC2
NELAC	Arsenic, Total	<0.000902	mg/L	0.000902			7440-38-2			05
NELAC	Chromium, Total	0.00753	mg/L	0.001			7440-47-3			05



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1038712

Report Date: 01/18/2023
 Printed: 04/13/2023

2152978 Effluent Table III Comp-QTR IV

Comp: 12/13 0700 - 12/14 0700

Received: 12/14/2022

Non-Potable Water
 Composite Stop 07:00 12/14/22
 Collected by: Client
 Taken: 12/14/2022
 City of Nashville
 07:00:00

PO:

client provides their own sampler

EPA 245.7.2

Prepared: 1039907 12/15/2022 09:10:00 Analyzed 1040074 12/15/2022 16:13:00 ALH

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Mercury, Total (low level)	0.0000267	mg/L	0.00000426		7439-97-6	03

2152979 Effluent Table III Grab-QTR IV

4 Part Grab

Received: 12/14/2022

Non-Potable Water
 Composite in lab
 Collected by: Client
 Taken: 12/14/2022
 City of Nashville
 07:00:00

PO:

Sample 1: Date: 12-13-22 Time: 0700 Tech: K F CNa, Phna
 Sample 2: Date: 12-13-22 Time: 1500 Tech: K F CNa, Phna
 Sample 3: Date: 12-13-22 Time: 2300 Tech: K F CNa, Phna
 Sample 4: Date: 12-14-22 Time: 0700 Tech: K F CNa, Phna

EPA 420.4.1

Prepared: 1040294 12/17/2022 10:13:59 Analyzed 1040888 12/21/2022 10:25:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Phenolics, Total Recoverable	<0.00422	mg/L	0.00422			03

SM 4500-CN⁻E-2016

Prepared: 12/27/2022 17:31:37 Calculated 12/27/2022 17:31:37 CAL

Parameter	Results	Units	RL	Flags	CAS	Bottle
z Cyanide in ug/calculation	<2.38	ppb	2.38			

SM 4500-CN⁻E-2016

Prepared: 1041211 12/27/2022 07:53:28 Analyzed 1041305 12/27/2022 10:56:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Cyanide, total	<0.00238	mg/L	0.00238			04

Sample Preparation

2152978 Effluent Table III Comp-QTR IV

Comp: 12/13 0700 - 12/14 0700

Received: 12/14/2022

Composite Stop 07:00 12/14/22 12/14/2022



NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1038712

Report Date: 01/18/2023
 Printed: 04/13/2023

2152978 Effluent Table III Comp-QTR IV Comp: 12/13 0700 - 12/14 0700 Received: 12/14/2022
 Composite Stop 07:00 12/14/22 12/14/2022

Prepared: 12/16/2022 15:20:10 Calculated 12/16/2022 15:20:10 CAL

z **Environmental Fee (per Project)** **Verified**

EPA 200.2 2.8 Prepared: 1041073 12/22/2022 10:11:00 Analyzed 1041073 12/22/2022 10:11:00 ALH

z **Liquid Metals Digestion** **50/50 ml** 01

EPA 200.2 2.8 Prepared: 1043922 01/13/2023 10:30:00 Analyzed 1043922 01/13/2023 10:30:00 TES

z **Liquid Metals Digestion** **50/50 ml** 01

EPA 245.7 2 Prepared: 1039907 12/15/2022 09:10:00 Analyzed 1039907 12/15/2022 09:10:00 ALH

NELAC **Low Level Mercury Liquid Metals** **50/47 ml** 02

2152979 Effluent Table III Grab-QTR IV 4 Part Grab Received: 12/14/2022
 12/14/2022

EPA 420.4 1 Prepared: 1040294 12/17/2022 10:13:59 Analyzed 1040294 12/17/2022 10:13:59 CRS

NELAC **Phenol Distillation** **50/50 ml** 01

SM 4500-CN⁻C-2016 Prepared: 1041211 12/27/2022 07:53:28 Analyzed 1041211 12/27/2022 07:53:28 AMB

NELAC **Cyanide Distillation** **10/5 ml** 02



2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 3275 Kilgore, TX 75663
Office: 903-984-0551 * Fax: 903-984-5914

NASH-L

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

Project
1038712

Report Date: 01/18/2023
Printed: 04/13/2023

Qualifiers:

J - Analyte detected below quantitation limit

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see <https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAP.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



QUALITY CONTROL

NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1038712

Printed 04/13/2023

Analytical Set **1040888**

EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1040294	ND	0.00422	0.005	mg/L	124414740

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.200	0.200	mg/L	100	90.0 - 110	124414718
Phenolics, Total Recoverable	0.214	0.200	mg/L	107	90.0 - 110	124414727
Phenolics, Total Recoverable	0.209	0.200	mg/L	104	90.0 - 110	124414731
Phenolics, Total Recoverable	0.214	0.200	mg/L	107	90.0 - 110	124414741
Phenolics, Total Recoverable	0.203	0.200	mg/L	102	90.0 - 110	124414752
Phenolics, Total Recoverable	0.201	0.200	mg/L	100	90.0 - 110	124414763
Phenolics, Total Recoverable	0.216	0.200	mg/L	108	90.0 - 110	124414770

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Phenolics, Total Recoverable	2150452	ND	ND	mg/L		20.0
Phenolics, Total Recoverable	2150524	ND	0.006	mg/L	200 *	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.203	0.200	mg/L	102	90.0 - 110	124414717

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1040294	0.200	0.189	0.200	90.0 - 110	100	94.5	mg/L	5.66	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Phenolics, Total Recoverable	2150452	0.182	ND	0.200	mg/L	91.0	90.0 - 110	124414746
Phenolics, Total Recoverable	2150524	0.189	0.006	0.200	mg/L	91.5	90.0 - 110	124414749

Analytical Set **1041305**

SM 4500-CN E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1041211	ND	0.00119	0.0025	mg/L	124422652
Cyanide, total	1041211	ND	0.00119	0.0025	mg/L	124422626

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.500	0.500	mg/L	100	90.0 - 110	124422625
Cyanide, total	0.500	0.500	mg/L	100	90.0 - 110	124422635
Cyanide, total	0.478	0.500	mg/L	95.6	90.0 - 110	124422645
Cyanide, total	0.479	0.500	mg/L	95.8	90.0 - 110	124422651
Cyanide, total	0.478	0.500	mg/L	95.6	90.0 - 110	124422654
Cyanide, total	0.482	0.500	mg/L	96.4	90.0 - 110	124422655



QUALITY CONTROL

NASH-L

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Project
1038712

Printed 04/13/2023

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2152685	0.0028	ND	mg/L	200 *	20.0
Cyanide, total	2152786	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.187	0.200	mg/L	93.5	90.0 - 110	124422624

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1041211	0.214	0.214	0.200	90.0 - 110	107	107	mg/L	0	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2152685	0.351	ND	0.400	mg/L	87.8	90.0 - 110	124422631
Cyanide, total	2152786	0.391	ND	0.400	mg/L	97.8	90.0 - 110	124422634

Analytical Set 1040074

EPA 245.7 2

AWRL/MRL C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	6.00	5.00	ng/L	120	70.0 - 130	124394867

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Mercury, Total (low level)	1039907	1.20	0.573	4.00	ng/L	124394868

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	46.6	50.0	ng/L	93.2	87.0 - 113	124394866
Mercury, Total (low level)	46.8	50.0	ng/L	93.6	87.0 - 113	124394878
Mercury, Total (low level)	50.7	50.0	ng/L	101	87.0 - 113	124394887

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	99.9	100	ng/L	99.9	90.0 - 110	124394864

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Mercury, Total (low level)	47.9	50.0	ng/L	95.8	90.0 - 110	124394865

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1039907	45.7	44.7	50.0	76.0 - 113	91.4	89.4	ng/L	2.21	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2152567	54.6	50.7	3.30	53.2	63.0 - 111	96.4	89.1	ng/L	7.90	18.0
Mercury, Total (low level)	2152569	52.0	53.6	1.60	53.2	63.0 - 111	94.7	97.7	ng/L	3.12	18.0



QUALITY CONTROL



Testing the Limits of Science and Service

NASH-L

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Project
1038712

Printed 04/13/2023

Analytical Set **1042984**

EPA 200.8 5.4

Blank

<i>Parameter</i>	<i>PrepSet</i>	<i>Reading</i>	<i>MDL</i>	<i>MQL</i>	<i>Units</i>	<i>File</i>
Beryllium, Total	1041073	ND	0.000060	0.0005	mg/L	124463616
Lead, Total	1041073	ND	0.00025	0.0005	mg/L	124463616
Nickel, Total	1041073	0.000533	0.0005	0.001	mg/L	124463616
Selenium, Total	1041073	ND	0.000728	0.002	mg/L	124463616

CCV

<i>Parameter</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
Beryllium, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	124463590
Beryllium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	124463623
Beryllium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	124463634
Beryllium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	124463644
Beryllium, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	124463699
Beryllium, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	124463710
Beryllium, Total	0.0461	0.05	mg/L	92.2	90.0 - 110	124463720
Lead, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	124463590
Lead, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	124463601
Lead, Total	0.0507	0.05	mg/L	101	90.0 - 110	124463611
Lead, Total	0.048	0.05	mg/L	96.0	90.0 - 110	124463615
Lead, Total	0.0519	0.05	mg/L	104	90.0 - 110	124463623
Lead, Total	0.0519	0.05	mg/L	104	90.0 - 110	124463634
Lead, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	124463691
Lead, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	124463699
Lead, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	124463710
Nickel, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	124463590
Nickel, Total	0.049	0.05	mg/L	98.0	90.0 - 110	124463601
Nickel, Total	0.051	0.05	mg/L	102	90.0 - 110	124463611
Nickel, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	124463615
Nickel, Total	0.0473	0.05	mg/L	94.6	90.0 - 110	124463623
Nickel, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	124463634
Nickel, Total	0.0502	0.05	mg/L	100	90.0 - 110	124463644
Nickel, Total	0.0504	0.05	mg/L	101	90.0 - 110	124463691
Nickel, Total	0.0504	0.05	mg/L	101	90.0 - 110	124463699
Nickel, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	124463710
Nickel, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	124463720
Selenium, Total	0.0516	0.05	mg/L	103	90.0 - 110	124463590
Selenium, Total	0.0532	0.05	mg/L	106	90.0 - 110	124463601
Selenium, Total	0.0531	0.05	mg/L	106	90.0 - 110	124463611
Selenium, Total	0.0521	0.05	mg/L	104	90.0 - 110	124463615
Selenium, Total	0.0533	0.05	mg/L	107	90.0 - 110	124463623
Selenium, Total	0.0529	0.05	mg/L	106	90.0 - 110	124463634
Selenium, Total	0.0537	0.05	mg/L	107	90.0 - 110	124463644
Selenium, Total	0.0526	0.05	mg/L	105	90.0 - 110	124463699
Selenium, Total	0.0527	0.05	mg/L	105	90.0 - 110	124463710



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ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Beryllium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	124463582
Lead, Total	0.050	0.05	mg/L	100	90.0 - 110	124463582
Nickel, Total	0.0512	0.05	mg/L	102	90.0 - 110	124463582
Selenium, Total	0.053	0.05	mg/L	106	90.0 - 110	124463582

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Beryllium, Total	1041073	0.225	0.220	0.200	85.0 - 115	112	110	mg/L	2.25	20.0
Lead, Total	1041073	0.510	0.507	0.500	85.0 - 115	102	101	mg/L	0.590	20.0
Nickel, Total	1041073	0.557	0.552	0.500	85.0 - 115	111	110	mg/L	0.902	20.0
Selenium, Total	1041073	0.545	0.533	0.500	85.0 - 115	109	107	mg/L	2.23	20.0

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lead, Total	0.000906	0.001	mg/L	90.6	25.0 - 175	124463583

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Selenium, Total	2151831	0.534	0.525	0.000744	0.500	70.0 - 130	107	105	mg/L	1.70	20.0
Beryllium, Total	2153033	0.207	0.206	ND	0.200	70.0 - 130	104	103	mg/L	0.484	20.0
Lead, Total	2153033	0.530	0.532	ND	0.500	70.0 - 130	106	106	mg/L	0.377	20.0
Nickel, Total	2153033	0.487	0.472	0.00174	0.500	70.0 - 130	97.1	94.1	mg/L	3.14	20.0
Selenium, Total	2153033	0.530	0.518	ND	0.500	70.0 - 130	106	104	mg/L	2.29	20.0

Analytical Set 1043177

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Beryllium, Total	1041073	ND	0.0000605	0.0005	mg/L	124467990
Cadmium, Total	1041073	ND	0.000095	0.0005	mg/L	124467990
Molybdenum, Total	1041073	0.000428	0.00025	0.0005	mg/L	124467990
Nickel, Total	1041073	0.00103	0.0005	0.001	mg/L	124467990
Selenium, Total	1041073	0.00127	0.000728	0.002	mg/L	124467990
Zinc, Total	1043177	ND	0.0025	0.005	mg/L	124467966
Zinc, Total	1041073	ND	0.0025	0.005	mg/L	124467990

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cadmium, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	124467919
Cadmium, Total	0.0455	0.05	mg/L	91.0	90.0 - 110	124467939
Cadmium, Total	0.046	0.05	mg/L	92.0	90.0 - 110	124467950
Cadmium, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	124467961
Cadmium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	124467971
Cadmium, Total	0.0471	0.05	mg/L	94.2	90.0 - 110	124467979
Cadmium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	124467989
Cadmium, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	124468000
Cadmium, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	124468032



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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cadmium, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	124468042
Cadmium, Total	0.0452	0.05	mg/L	90.4	90.0 - 110	124468052
Cadmium, Total	0.0461	0.05	mg/L	92.2	90.0 - 110	124468058
Cadmium, Total	0.0455	0.05	mg/L	91.0	90.0 - 110	124468074
Cadmium, Total	0.0456	0.05	mg/L	91.2	90.0 - 110	124468085
Cadmium, Total	0.0452	0.05	mg/L	90.4	90.0 - 110	124468096
Molybdenum, Total	0.0461	0.05	mg/L	92.2	90.0 - 110	124467919
Molybdenum, Total	0.0465	0.05	mg/L	93.0	90.0 - 110	124467989
Molybdenum, Total	0.0452	0.05	mg/L	90.4	90.0 - 110	124468000
Zinc, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	124467919
Zinc, Total	0.0537	0.05	mg/L	107	90.0 - 110	124467939
Zinc, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	124467950
Zinc, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	124467961
Zinc, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	124467971
Zinc, Total	0.0501	0.05	mg/L	100	90.0 - 110	124467979
Zinc, Total	0.053	0.05	mg/L	106	90.0 - 110	124467989
Zinc, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	124468000
Zinc, Total	0.0468	0.05	mg/L	93.6	90.0 - 110	124468010
Zinc, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	124468021
Zinc, Total	0.0472	0.05	mg/L	94.4	90.0 - 110	124468032
Zinc, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	124468042
Zinc, Total	0.0461	0.05	mg/L	92.2	90.0 - 110	124468052
Zinc, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	124468058
Zinc, Total	0.0456	0.05	mg/L	91.2	90.0 - 110	124468066
Zinc, Total	0.0471	0.05	mg/L	94.2	90.0 - 110	124468074
Zinc, Total	0.0452	0.05	mg/L	90.4	90.0 - 110	124468085

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cadmium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	124467911
Molybdenum, Total	0.0469	0.05	mg/L	93.8	90.0 - 110	124467911
Zinc, Total	0.045	0.05	mg/L	90.0	90.0 - 110	124467911

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Beryllium, Total	1041073	0.209	0.210	0.200	85.0 - 115	104	105	mg/L	0.477	20.0
Cadmium, Total	1041073	0.271	0.270	0.250	85.0 - 115	108	108	mg/L	0.370	20.0
Molybdenum, Total	1041073	0.445	0.470	0.500	85.0 - 115	89.0	94.0	mg/L	5.46	20.0
Nickel, Total	1041073	0.499	0.493	0.500	85.0 - 115	99.8	98.6	mg/L	1.21	20.0
Selenium, Total	1041073	0.497	0.492	0.500	85.0 - 115	99.4	98.4	mg/L	1.01	20.0
Zinc, Total	1043177	0.483	0.504	0.500	85.0 - 115	96.6	101	mg/L	4.26	20.0
Zinc, Total	1041073	0.559	0.563	0.500	85.0 - 115	112	113	mg/L	0.713	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Beryllium, Total	2153033	0.204	0.202	0.000119	0.200	70.0 - 130	102	101	mg/L	0.986	20.0



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MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Cadmium, Total	2153033	0.255	0.261	ND	0.250	70.0 - 130	102	104	mg/L	2.33	20.0
Molybdenum, Total	2153033	0.569	0.575	0.0189	0.500	70.0 - 130	110	111	mg/L	1.08	20.0
Nickel, Total	2153033	0.476	0.485	0.00148	0.500	70.0 - 130	94.9	96.7	mg/L	1.88	20.0
Selenium, Total	2153033	0.496	0.501	0.00523	0.500	70.0 - 130	98.2	99.2	mg/L	1.01	20.0
Zinc, Total	2153033	0.500	0.514	0.0222	0.500	70.0 - 130	95.6	98.4	mg/L	2.89	20.0

Analytical Set 1044324

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MDL	Units	File
Antimony, Total	1043922	0.000607	0.000399	0.001	mg/L	124498010
Copper, Total	1043922	ND	0.0005	0.001	mg/L	124498010
Silver, Total	1043922	ND	0.0000628	0.0002	mg/L	124498010
Thallium, Total	1043922	ND	0.00025	0.0005	mg/L	124498010

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0463	0.05	mg/L	92.6	90.0 - 110	124498020
Antimony, Total	0.0452	0.05	mg/L	90.4	90.0 - 110	124498029
Copper, Total	0.0508	0.05	mg/L	102	90.0 - 110	124498005
Copper, Total	0.0521	0.05	mg/L	104	90.0 - 110	124498009
Copper, Total	0.0535	0.05	mg/L	107	90.0 - 110	124498020
Copper, Total	0.0523	0.05	mg/L	105	90.0 - 110	124498029
Copper, Total	0.0521	0.05	mg/L	104	90.0 - 110	124498037
Copper, Total	0.0537	0.05	mg/L	107	90.0 - 110	124498038
Copper, Total	0.0539	0.05	mg/L	108	90.0 - 110	124498048
Copper, Total	0.0543	0.05	mg/L	109	90.0 - 110	124498059
Copper, Total	0.0541	0.05	mg/L	108	90.0 - 110	124498069
Copper, Total	0.0537	0.05	mg/L	107	90.0 - 110	124498094
Copper, Total	0.0525	0.05	mg/L	105	90.0 - 110	124498104
Copper, Total	0.052	0.05	mg/L	104	90.0 - 110	124498113
Copper, Total	0.0539	0.05	mg/L	108	90.0 - 110	124498123
Silver, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	124498009
Silver, Total	0.0505	0.05	mg/L	101	90.0 - 110	124498020
Silver, Total	0.0506	0.05	mg/L	101	90.0 - 110	124498029
Silver, Total	0.0501	0.05	mg/L	100	90.0 - 110	124498037
Silver, Total	0.0511	0.05	mg/L	102	90.0 - 110	124498038
Thallium, Total	0.0469	0.05	mg/L	93.8	90.0 - 110	124498005
Thallium, Total	0.0466	0.05	mg/L	93.2	90.0 - 110	124498020
Thallium, Total	0.0471	0.05	mg/L	94.2	90.0 - 110	124498029

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	124497997
Copper, Total	0.0523	0.05	mg/L	105	90.0 - 110	124497997
Silver, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	124497997



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ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Thallium, Total	0.0466	0.05	mg/L	93.2	90.0 - 110	124497997

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Antimony, Total	1043922	0.529	0.545	0.500	85.0 - 115	106	109	mg/L	2.98	20.0
Copper, Total	1043922	0.472	0.504	0.500	85.0 - 115	94.4	101	mg/L	6.56	20.0
Silver, Total	1043922	0.104	0.115	0.100	85.0 - 115	104	115	mg/L	10.0	20.0
Thallium, Total	1043922	0.504	0.544	0.500	85.0 - 115	101	109	mg/L	7.63	20.0

LDR

Parameter	Reading	Known	Units	Recover%	Limits%	File
Antimony, Total	0.545	0.5	mg/L	109	90.0 - 110	124498003
Chromium, Total	10.7	10	mg/L	107	90.0 - 110	124498002
Copper, Total	9.90	10	mg/L	99.0	90.0 - 110	124498002
Thallium, Total	5.41	5	mg/L	108	90.0 - 110	124498003

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.00107	0.001	mg/L	107	25.0 - 175	124497998

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Copper, Total	2149394	0.554	0.567	0.0086	0.500	70.0 - 130	109	112	mg/L	2.36	20.0
Silver, Total	2149394	0.116	0.114	ND	0.100	70.0 - 130	116	114	mg/L	1.74	20.0
Antimony, Total	2153033	0.575	0.586	0.000633	0.500	70.0 - 130	115	117	mg/L	1.90	20.0
Copper, Total	2153033	0.524	0.503	0.0104	0.500	70.0 - 130	103	98.5	mg/L	4.17	20.0
Silver, Total	2153033	0.118	0.120	ND	0.100	70.0 - 130	118	120	mg/L	1.68	20.0
Thallium, Total	2153033	0.550	0.532	ND	0.500	70.0 - 130	110	106	mg/L	3.33	20.0

Analytical Set 1044507

EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Arsenic, Total	1043922	ND	0.000902	0.003	mg/L	124503163
Chromium, Total	1043922	0.000644	0.000392	0.001	mg/L	124503163

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	124503109
Arsenic, Total	0.050	0.05	mg/L	100	90.0 - 110	124503111
Arsenic, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	124503113
Arsenic, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	124503117
Arsenic, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	124503127
Arsenic, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	124503162
Arsenic, Total	0.0467	0.05	mg/L	93.4	90.0 - 110	124503172
Arsenic, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	124503193
Arsenic, Total	0.0503	0.05	mg/L	101	90.0 - 110	124503202



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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	124503219
Arsenic, Total	0.0484	0.05	mg/L	96.8	90.0 - 110	124503227
Arsenic, Total	0.049	0.05	mg/L	98.0	90.0 - 110	124503237
Arsenic, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	124503243
Arsenic, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	124503251
Arsenic, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	124503261
Chromium, Total	0.0515	0.05	mg/L	103	90.0 - 110	124503111
Chromium, Total	0.0511	0.05	mg/L	102	90.0 - 110	124503162
Chromium, Total	0.051	0.05	mg/L	102	90.0 - 110	124503172
Chromium, Total	0.0475	0.05	mg/L	95.0	90.0 - 110	124503182
Chromium, Total	0.0509	0.05	mg/L	102	90.0 - 110	124503219
Chromium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	124503227
Chromium, Total	0.0508	0.05	mg/L	102	90.0 - 110	124503237
Chromium, Total	0.0502	0.05	mg/L	100	90.0 - 110	124503261
Chromium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	124503266

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Arsenic, Total	0.0504	0.05	mg/L	101	90.0 - 110	124503101
Chromium, Total	0.0505	0.05	mg/L	101	90.0 - 110	124503101

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Arsenic, Total	1043922	0.468	0.471	0.500	85.0 - 115	93.6	94.2	mg/L	0.639	20.0
Chromium, Total	1043922	0.485	0.490	0.500	85.0 - 115	97.0	98.0	mg/L	1.03	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Arsenic, Total	2149394	0.319	0.285	ND	0.500	70.0 - 130	63.8 *	57.0 *	mg/L	11.3	20.0
Chromium, Total	2149394	0.428	0.432	0.00386	0.500	70.0 - 130	84.8	85.6	mg/L	0.939	20.0

* Out RPD is Relative Percent Difference: $\text{abs}(r1-r2) / \text{mean}(r1,r2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); AWRL/MRL C - Ambient Water Reporting Limit/Minimum Reporting Limit Check Std; MRL Check - Minimum Reporting Limit Check Std; LDR - Linear Dynamic Range Standard



1038712 CoC Print Group 001 of 001



Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

Employee Owned Integrity Caring Continual Improvement

COC Printed 08/21/2019 Page 1 of 2

Chain of Custody

NASH-L
S6

Lab Number 2152973
PO Number _____
Phone 870/845-4522
Fax 870/845-7409

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

IV QUARTER

Effluent
Influent Table III Comp

RUSH 7 Day

Matrix: Non-Potable Water

Sample Collection Start

Date: 13 Dec 20 Time: 0700

Sampler Printed Name: Kevin Funderbunt

Sampler Affiliation: N/PW

Sampler Signature: Kevin Funderbunt

Z - No bottle required

Sample Collection Stop

Date: 14 Dec 20 Time: 0700

Sampler Printed Name: Kevin Funderbunt

Sampler Affiliation: N/PW

Sampler Signature: Kevin Funderbunt

	BP2	Sec BP2	CAS:N/A
	1	HNO3 to pH <2 Polyethylene 500 mL for Metals	
N	*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)
N	*AsM	Arsenic, Total	EPA 200.8 5.4 CAS:7440-38-2 (180 days)
N	*BeM	Beryllium, Total	EPA 200.8 5.4 CAS:7440-41-7 (180 days)
N	*CdM	Cadmium, Total	EPA 200.8 5.4 CAS:7440-43-9 (180 days)
N	*CrM	Chromium, Total	EPA 200.8 5.4 CAS:7440-47-3 (180 days)
N	*CuM	Copper, Total	EPA 200.8 5.4 CAS:7440-50-8 (180 days)
N	*MoM	Molybdenum, Total	EPA 200.8 5.4 CAS:7439-98-7 (180 days)
N	*NiM	Nickel, Total	EPA 200.8 5.4 CAS:7440-02-0 (180 days)
N	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
N	*SbM	Antimony, Total	EPA 200.8 5.4 CAS:7440-36-0 (180 days)
N	*SeM	Selenium, Total	EPA 200.8 5.4 CAS:7782-49-2 (180 days)
N	*TlM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
N	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
N	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
	1	Glass 500 ml /clean metals w/HCl	
N	*Hgl	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (28.0 days)
N	245I	Low Level Mercury Liquid Metals	EPA 245.7 2 (28.0 days)
	HgKt	L.L. Mercury Test Prep	



Corporate Shipping: 2600 Dudley Rd, Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr, Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

1038712 CoC Print Group 001 of 001



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Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com
Employee Owned Integrity Caring Continual Improvement

LEI,AP-accredited #02008

Chain of Custody

COC Printed 08/21/2019 Page 2 of 2

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

NASH-L

S6

Phone 870/845-4522
Fax 870/845-7409

Ambient Conditions/Comments

Date	Time	Relinquished	Received
12-14-22	1430	Printed Name: Kevin Funderburk Affiliation: NWU Signature: [Signature]	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: [Signature]
12-14-22	1745	Printed Name: Mark Hirsch Affiliation: Ana-lab Signature: [Signature]	Printed Name: Hickman Hotshot Service Affiliation: Hickman Hotshot Service Signature: [Signature]
12-14-22	2022	Printed Name: Hickman Hotshot Service Affiliation: Hickman Hotshot Service Signature: [Signature]	Printed Name: Antonio James AnaLab Affiliation: AnaLab Signature: [Signature]
		Printed Name: [Blank] Affiliation: [Blank] Signature: [Blank]	Printed Name: [Blank] Affiliation: [Blank] Signature: [Blank]

Sample Received on Ice? Yes No
Cooler/Sample Secure? Yes No
Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
If Shipped: Tracking Number & Temp - See Attached

Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAP, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

See Attached for
Tracking # and Temp



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

1038712 CoC Print Group 001 of 001



Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com I.E.L.A.P.-accredited #02008
Employee Owned Integrity Courage Continual Improvement

Chain of Custody

COC Printed 08/21/2019 Page 1 of 2

Report To

City of Nashville
Larry Dunaway
426 N Main
Nashville, AR 71852-

NASH-L
113

Lab Number 2152979
PO Number _____
Phone 870/845-4522
Fax 870/845-7409

IV QUARTER

Influent Table III Grab

Sample 1: Date: 13 Dec 22 Time: 0700 Tech: RF CNa, Phna
Sample 2: Date: 13 Dec 22 Time: 1000 Tech: RF CNa, Phna
Sample 3: Date: 13 Dec 22 Time: 2000 Tech: RF CNa, Phna
Sample 4: Date: 14 Dec 22 Time: 0700 Tech: RF CNa, Phna
Composite in lab
Matrix: Non-Potable Water

Sample Collection Start

Date: 13 Dec 22 Time: 0700
Sampler Printed Name: Kevin Funderburt
Sampler Affiliation: NPIW
Sampler Signature: Kevin Funderburt

1 On Site Testing

C1Ck Field Cl2 Check for CNa

Field Cl2 Check for CNa Quality Control

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____
Results _____ Units _____ Temp. _____ C Duplicate _____ Units _____ Temp. _____ C

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa Quality Control

Collected By _____ Date _____ Time _____ Analyzed By _____ Date _____ Time _____
Results _____ Units _____ Temp. _____ C Duplicate _____ Units _____ Temp. _____ C

1	H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid		
N	Phna Phenolics, Total Recoverable	EPA 420.4 I (28.0 days)	
1	Z - No bottle required		
	mix Composite Sample	Composite Sample	
1	NaOH to pH >12 Polyethylene 250 mL/amber		
N	CNa Cyanide, total	SM 4500-CN ⁻ E-2011 (14.0 days)	

Ambient Conditions/Comments



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

1038712 CoC Print Group 001 of 001



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Employee Owned Integrity Caring Commitment Improvement

COC Printed 08/21/2019 Page 2 of 2

Chain of Custody

NASH-L
113

Report To

City of Nashville
 Larry Dunaway
 426 N Main
 Nashville, AR 71852-

Phone 870/845-4522
 Fax 870/845-7409

Date	Time	Relinquished	Received
12-14-22	1430	Printed Name: <u>Kevin Funderburk</u> Affiliation: <u>NDA</u> Signature: <u>[Signature]</u>	Printed Name: <u>Mark Hirsch</u> Affiliation: <u>Ana-lab</u> Signature: <u>[Signature]</u>
12-14-22	1745	Printed Name: <u>Mark Hirsch</u> Affiliation: <u>Ana-lab</u> Signature: <u>[Signature]</u>	Printed Name: <u>Hickman Hotshot Service</u> Signature: <u>[Signature]</u>
12-14-22	2020	Printed Name: <u>Hickman Hotshot Service</u> Signature: <u>[Signature]</u>	Printed Name: <u>Antonio James AnaLab</u> Affiliation: <u>[Affiliation]</u> Signature: <u>[Signature]</u>
		Printed Name: _____ Affiliation: _____ Signature: _____	Printed Name: _____ Affiliation: _____ Signature: _____

Sample Received on Ice? Yes No
 Cooler/Sample Secure? Yes No
 Method of Shipment: UPS Bus FedEx Lone Star Hand Delivered Other
 If Shipped: Tracking Number & Temp - See Attached Hand Delivered to Region []

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

See Attached for Tracking # and Temp



Corporate Shipping: 2600 Dudley Rd. Kilgore, TX 75662

Ark-La-Miss Region: 4720 Viking Dr. Suite A Bossier City LA 71111



NELAP-accredited #T104704201-19-15

12/15/22 0505 AAD
 Date Time Tech
 Temp: 1.6 / 1.6 C

Therm#: 6205 Corr Fact: 0.0 C

**HICKMAN
 HOT SHOT SERVICE**
 835 North Street, Gilmer, Texas 75644
 903-808-7402

Delivery Confirmation Sheet

Delivery Date:	12-14-2022
Pick-Up From:	ANACAB BC
Released By:	X
Deliver To:	ANACAB Kilgore
Received By:	X <i>Gatoris</i>
Delivery Time:	2020
Notes:	
5 Coolers + 2 Bags Bottles TO Kilgo. BC	
9 coolers TO Kilgore	
Delivery Charge:	
Other Charges:	
Total Charges:	

Thank you for choosing Hickman HotShot as your courier service provider.

Drivers Signature: *[Signature]*

ATTACHMENT C
PRETREATMENT PERFORMANCE SUMMARY (PPS)

NOTE: ALL QUESTIONS REFER TO THE INDUSTRIAL PRETREATMENT PROGRAM AS APPROVED BY ADEQ. THE PERMITTEE SHOULD NOT ANSWER THE QUESTIONS BASED ON CHANGES MADE TO THE APPROVED PROGRAM WITHOUT DEPARTMENT AUTHORIZATION.

I. General Information

Control Authority Name: City of Nashville

Address 426 N Main

City Nashville State/Zip AR 71852

Contact Person Larry Dunaway Position Mayor

Contact Telephone 870-845-4570 NPDES Permit Nos. AR0021776

Reporting Period Jan 1st 2022 Dec 31, 2022

(Beginning Month, day and Year)

(Ending Month, day and Year)

Total Number of Categorical IUs 2

Total Number of Significant Noncategorical IUs 0

Total Number of Non-Significant (yet permitted) IUs 0

II. Significant Industrial User Compliance

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of SIUs Submitting BMRs/Total No. Required.	<u>0/0</u>	<u>N/A*</u>
2) No. of SIUs Submitting 90-Day Compliance Reports / No. Required.	<u>0/0</u>	<u>N/A*</u>
3) No. of SIUs Submitting Semiannual Reports / Total No. Required.	<u>2/2</u>	<u>1</u>
4) No. of SIUs Meeting Compliance Schedule / Total No. Required to Meet Schedule	<u>0/0</u>	<u>1</u>
5) No. of SIUs in Significant Noncompliance / Total No. of SIUs	<u>0/0</u>	<u>1</u>
6) Rate (%) of Significant Noncompliance for all SIUs (categorical and noncategorical)	<u>0/0</u>	<u>0/0</u>

III. Compliance Monitoring Program

	<u>SIGNIFICANT INDUSTRIAL USERS</u> <u>Categorical</u>	<u>NonCategorical</u>
1) No. of Control Documents Issued / Total No. Required.	<u>2/2</u>	<u>0/0</u>
2) No. of Non-sampling Inspections Conducted / Total No. Required.	<u>0/0</u>	<u>0/0</u>
3) No. of Sampling Visits Conducted / Total No. Required.	<u>2/2</u>	<u>0/0</u>
4) No. of Facilities Inspected (nonsampling) / Total No. Required.	<u>0/0</u>	<u>0/0</u>
5) No. of Facilities Sampled / Total No. Required.	<u>2/2</u>	<u>0/0</u>

IV. Enforcement Actions

	<u>SIGNIFICANT INDUSTRIAL USERS</u> <u>Categorical</u>	<u>NonCategorical</u>
1) No. of Compliance Schedules Issued/No. of Schedules Required	<u>0/0</u>	<u>0/0</u>
2) No. of Notices of Violations Issued to SIUs	<u>0/0</u>	<u>0</u>
3) No. of Administrative Orders Issued to SIUs	<u>0</u>	<u>0</u>
4) No. of Civil Suits Filed.	<u>0</u>	<u>0</u>
5) No. of Criminal Suits Filed	<u>0</u>	<u>0</u>
6) No. of Significant Violators (attach newspaper publication).	<u>0</u>	<u>0</u>
7) Amount of Penalties (not surcharges) Collected (total dollars/IUs assessed) . . .	<u>0/0</u>	<u>0/0</u>
8) Other Actions (sewer bans, etc.).	<u>0</u>	<u>0</u>

The following certification must be signed in order for this form to be considered complete:

I certify that the information contained herein is complete and accurate to the best of my knowledge.

Fanny Dunaway
 Authorized Representative Date 3-7-23

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT

REPORTING YEAR: Jan 1, 2022 TO Dec 31, 2022

TREATMENT PLANT: City of Nashville NPDES PERMIT #AR0021776

AVERAGE POTW FLOW: 35.9 MGD % IU FLOW: >1 %

METALS, CYANIDE and PHENOLS	MAHC (Total) (µg/l) (2)	INFLUENT DATES SAMPLED (µg/l) Once/quarter				WQ level/ limit (µg/l) (2)	EFFLUENT DATES SAMPLED (µg/l) Once/quarter				LABORATORY ANALYSIS	
		Date	Date	Date	Date		Date	Date	Date	Date	EPA Method Used (1)	Detection Level Achieved (µg/l)
Antimony	N/A	2/25/2022	4/29/2022	7/15/2022	11/30/2022	N/A	3/11/2022	5/13/2022	7/29/2022	12/14/2022	6	
Cadmium	N/A	0.8	N/D	N/D	N/D	N/A	0.779	0.986	N/D	1.24	0	
Copper	N/A	6.75	8.2	16.5	8.92		1.23	1.24	0.972	9	5	
Lead	N/A	0.422	N/D	0.799	N/D		0.397	N/D	N/D	0.766	5	
Mercury	N/A	0.000184	0.0000393	0.000698	1.81		0.0000129	0.0000798	N/D	0.0267	5	
Nickel	N/A	8.26	3.2	17.1	3.57		16.6	9.79	16.9	16	5	
Selenium	N/A	1.55	N/D	0.738	N/D		N/D/8.49	1.47	N/D	N/D	5	
Silver	N/A	N/D	N/D	N/D	N/D		N/D	N/D	N/D	0.124	5	
Zinc	N/A	33.8	35.2	70.7	99.4		8.41	5.74	5.17	77	2	

