



DIVERSIFIED
ENVIRONMENTAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

Project Number: 220713.12
(Lab Use Only)

3653 Regent Boulevard, Suite # 509
Jacksonville, FL 32224
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Page 1 of 1

Company Name		Florida Department of Environmental Protection		Container Information (Qty, Size, & Type)		Sample Matrix Codes:				
Address		8800 Baymeadows Way W Ste 100		A. Air P. Petroleum B. Bulk S. Soil/Sludge W. Wipe O. Other PW. Potable Water NPW. Non-Potable Water						
City		Jacksonville		State		FL				
Zip		32256		Container Preservation Codes		Sample Kit or Container Lot #				
Attn.		Jeremy Parrish		Jeremy.M.Parrish@floridadep.gov						
Tel.		E-mail or Fax		DEP-Overflowmicro@dep.state.fl.us		N/A				
Project Name		SMP MOSCOW RUN		Parameters		Preservation Codes:				
Project Number		RQ-2022-07-11-16				0. None 5. Na2S2O3 1. H2SO4 6. Crushed Ice (4C) 2. HNO3 7. G6H8O6 3. HCl 8. NH4Cl 4. NaOH 9. Other: (List)				
Project Location						Thermal Preservation:				
Sampler Name/Signature		Kathrin Vilhings				In Crushed Ice? Yes / No Cooler Temp: 0.4 °C Sample Cont. Temp: 1.9 °C				
Transfer #	Sample # (Lab Use Only)	Sample Identification	Date Sampled	Time Sampled	Sample Matrix Code	Specific Cond. (Field)	Comp	Grab		
1	59745	GS NEO004	7/13/22	945	1A	58709	1	1		
2	59746	GS NE0589	1000	1	1	36343	1	1		
3	59747	27010050	1310	1	1	410.6	1	1		
4	59748	27010055	1330	1	1	57615	1	1		
5										
6										
7										
8										
9										
0										
Special Instructions:				Transfer Numbers		Relinquished By		Date / Time	Received By	Date / Time
* Analysis confirmed with client (Enterococci)				1-4		Kathrin Vilhings		7/13/22 1510	DC VC	07/13/22 1510



Certification #E821059

Lab General Form 059, Rev. #1, Rev. Date: 02/07/22, Effective Date: 02/07/22.

Visit us online & order kits at: www.delillab.com

Project Login Form

DELI Project Number: 220713.12 Client Name: Florida Department of Environmental Protection

Date Received: 07/13/22 Received by: DJV PLF Completed by: DJV

Courier/Shipper Information:

☒ Client ☐ DEL, Inc. ☐ Other (describe) _____

Type & Number of Shipping Containers:

#	Shipping Container Description	Crushed Ice	Cooler/Ice Temp. (°C)	Sample Cont. Temp. (°C)
1	(Cooler) Box Other:	(Yes) No	0.4	1.9
2	Cooler Box Other:	Yes No		
3	Cooler Box Other:	Yes No		

Note: If thermal preservation was used/required, pick a sample container from each cooler and use the IR gun to measure the sample temperature.

Therm Inv. #: 0481 IR Gun Inv. #: 0332

Other Information Checklist:		YES	NO	NA
1	Were custody seals used for shipping containers(s)?	☐	☒	☐
2	If Yes, were the custody seals intact? If no, see comments below.	☐	☐	☒
3	Were custody seals used for sample containers(s)?	☐	☒	☐
4	If Yes, were the custody seals intact? If no, see comments below.	☐	☐	☒
5	Did custody papers accompany samples? (such as COC, specifics, etc.)	☒	☐	☐
6	Were the custody papers properly filled out?	☒	☐	☐
7	Were the sample containers received in good condition? (If no, see comments)	☒	☐	☐
8	Were the sample container labels properly filled out? (date, time, preservation, etc.)	☒	☐	☐
9	Were the labels on the sample containers and custody papers consistent?	☒	☐	☐
10	Were the samples in the correct containers for analysis?	☒	☐	☐
11	Were the correct preservations used for each sample container according to analysis?	☒	☐	☐
12	Were the samples received within the appropriate holding times?	☒	☐	☐
13	Were pH preservation checks made?	☐	☐	☒
14	Were the sample containers provided by DEL, Inc.?	☐	☒	☐
15	Was this a sample kit provided by DEL, Inc.? If Yes, DEL, Inc. Kit #: <u>NA</u>	☐	☐	☒
16	Were the VOA vials free of headspace? (No bubbles present)	☐	☐	☒

Are the samples acceptable for analysis? Yes If yes, proceed with login. If no, notify client immediately and list rejection reasons in comments area below. Also, please take any needed further action for rejected sample(s).

Container Preservation Check:

Note: VOA vials will not be checked for pH at sample login. The testing laboratory will perform that check during analysis. The pH of microbiological samples will not be checked, due to the risk of contamination. The pH of Oil & Grease samples will not be checked during sample login, due to the potential loss of product. If adding a preservative to a sample after receiving it at the laboratory, the date and time the preservative was added must be documented below.

DELI Sample #	Parameters	Cooler/ Container #	pH upon receipt	Preservative added after pH check?	If Yes, which preservative was added? (Incl. Vol.)	Preservative Lot #	New pH value	Sample container size & type?
59745	Enterococci QT	↓	-	Yes / (No)	-	-	-	250mLP
↓	Fecal Coliform mF	↓	-	Yes / (No)	-	-	-	250mLP
59746	Enterococci QT	↓	-	Yes / (No)	-	-	-	250mLP
↓	Fecal Coliform mF	↓	-	Yes / (No)	-	-	-	250mLP
59747	E. Coli QT	↓	-	Yes / (No)	-	-	-	250mLP
59748	Enterococci QT	↓	-	Yes / (No)	-	-	-	250mLP
	Fecal Coliform mF			Yes / No				
				Yes / No				
				Yes / No				
				Yes / No				

P = Plastic; G = Glass; AG = Amber Glass; TL = Teflon Lid; WM = Wide Mouth

☐ Sample preservation added upon receiving
Date: _____ Time: _____

Comments:

(59748)
*Enterococci QT Analysis confirmed with client via email - 07/13/22 DJV



July 25, 2022

Florida Department of Environmental Protection
8800 Baymeadows Way West
Jacksonville, FL 32256

Re: DELI Project Number: **220713.12**
Client PO Number: **C0319A**
Client Project Description: **SMP Moses Run; RQ-2022-07-11-16**

Enclosed is the report of laboratory analysis for the following sample(s):

Sample Number	Sample Description	Date/Time Collected	Date/Time Received
59745	G5NE0004	07/13/2022 09:45	07/13/2022 15:10
59746	G5NE0589	07/13/2022 10:00	07/13/2022 15:10
59747	27010050	07/13/2022 13:10	07/13/2022 15:10
59748	27010055	07/13/2022 13:30	07/13/2022 15:10

If you have any questions or comments concerning this laboratory report, please do not hesitate to contact us.

Sincerely,

Franklin A. Risk, Jr.
Laboratory Director

Enclosures

This laboratory report consists of a cover page, case narrative page and report page. There may be multiple pages of each. The pages are numbered accordingly. The report may also contain chain of custody forms, project log in forms, QA/QC reports and client worksheets if applicable. The results herein relate only to the items tested or to the samples as received by the laboratory. The report shall not be reproduced except in full, without the written approval of the laboratory. All samples will be disposed of within 30 days of receipt, unless a written request to retain the samples longer is received. All samples referenced in this laboratory report are considered to be environmental samples. The case narrative will contain comments and or notes regarding the samples and analyses.

Cover Page 1 of 1

NELAP #E821059

Diversified Environmental Laboratories, Inc.
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Case Narrative

July 25, 2022

Florida Department of Environmental Protection

Re: DELI Project Number: 220713.12
Client Project Description: SMP Moses Run; RQ-2022-07-11-16

Enclosed is the case narrative for the above referenced project:

DELI Sample 59748 - Enterococci (Quanti-Tray) analysis was confirmed with client via email on 07/13/22

Fecal Coliform (MF):

-59745: The dilutions performed were 1:2, 1:10, and 1:100. The result is based on one dilution at 1:2. This was the only dilution to fall within the ideal colony count range for the method.

-59746: The dilutions performed were 1:2, 1:10, and 1:100. The result is based on one dilution at 1:2. This was the only dilution to fall within the ideal colony count range for the method.

Unless otherwise noted and where applicable:

These samples were received at the proper temperature and with the proper preservation. The samples were analyzed as received, unless otherwise noted. All results in the Quality Control section are labeled appropriately. All results meet the requirements of the NELAP standards, unless otherwise noted. Footnotes are given at the end of the report.

Narrative Page 1 of 1

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Report of Laboratory Analysis

Florida Department of Environmental Protection

Project Description

SMP Moses Run; RQ-2022-07-11-16

DELI
Project Number

220713.12

Report Date: July 25, 2022

DELI Sample Number **59745**
Sample Description **G5NE0004**

Matrix **Non Potable Water**
Date/Time Collected **07/13/2022 09:45**

Parameters	Method	Results	Footnote	Units	DF	MDL	PQL	Incubation In	Incubation Out	Analyst	Analysis Date/Time
Enterococci QT	Enterolert QT	231		MPN/100ml	10	10.0	10.0	07/13/2022 16:23	07/14/2022 16:23	JMD/DJV	07/13/2022 16:14
Coliform, Fecal (MF)	SM 9222 D	72		CFU/100ml	2	2	2	07/13/2022 16:52	07/14/2022 16:52	DJV/JMD	07/13/2022 16:30





Report of Laboratory Analysis

Florida Department of Environmental Protection

Project Description

SMP Moses Run; RQ-2022-07-11-16

DELI
Project Number

220713.12

Report Date: July 25, 2022

DELI Sample Number **59746**
Sample Description **G5NE0589**

Matrix **Non Potable Water**
Date/Time Collected **07/13/2022 10:00**

Parameters	Method	Results	Footnote	Units	DF	MDL	PQL	Incubation In	Incubation Out	Analyst	Analysis Date/Time
Enterococci QT	Enterolert QT	169		MPN/100ml	10	10.0	10.0	07/13/2022 16:23	07/14/2022 16:23	JMD/DJV	07/13/2022 16:14
Coliform, Fecal (MF)	SM 9222 D	72		CFU/100ml	2	2	2	07/13/2022 16:52	07/14/2022 16:52	DJV/JMD	07/13/2022 16:30





Report of Laboratory Analysis

Florida Department of Environmental Protection

Project Description

SMP Moses Run; RQ-2022-07-11-16

DELI
Project Number

220713.12

Report Date: July 25, 2022

DELI Sample Number **59747**

Sample Description **27010050**

Matrix

Non Potable Water

Date/Time Collected

07/13/2022 13:10

Parameters	Method	Results	Footnote	Units	DF	MDL	PQL	Incubation In	Incubation Out	Analyst	Analysis Date/Time
E. Coli QT	SM9223B/QT	866		MPN/100ml	1	1.0	1.0	07/13/2022 16:03	07/14/2022 16:09	DJV	07/13/2022 15:50





Report of Laboratory Analysis

Florida Department of Environmental
Protection

Project Description

SMP Moses Run; RQ-2022-07-11-16

DELI
Project Number

220713.12

Report Date: July 25, 2022

DELI Sample Number 59748

Sample Description 27010055

Matrix

Non Potable Water

Date/Time Collected

07/13/2022 13:30

Parameters	Method	Results	Footnote	Units	DF	MDL	PQL	Incubation In	Incubation Out	Analyst	Analysis Date/Time
Enterococci QT	Enterolert QT	158		MPN/100ml	10	10.0	10.0	07/13/2022 16:23	07/14/2022 16:23	JMD/DJV	07/13/2022 16:14





Report of Laboratory Analysis

Florida Department of Environmental
Protection

Project Description

SMP Moses Run; RQ-2022-07-11-16

DELI
Project Number

220713.12

Report Date: July 25, 2022

Footnotes

DF	Dilution Factor
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MB	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not Detected/None Detected
PQL	Practical Quantification Limit
RPD	Relative Percent Deviation



Batch No: B23898

Associated Samples

59745, 59746, 59748

TestCode: Micro: Enterococci (Quanti-Tray) - Enterolert

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- %RPD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- %RPD %Rec	Sample Dup %RPD	--QC Limit-- %RPD	Qualifiers
Parent Sample Number												59751		
Enterococci QT	<1.0 U											200 *	80	

Batch No: B23899

Associated Samples

59747

TestCode: Micro: E. Coli (Quanti-Tray) - SM9223B

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- %RPD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- %RPD %Rec	Sample Dup %RPD	--QC Limit-- %RPD	Qualifiers
Parent Sample Number												59750		
E. Coli QT	<1.0 U											1.2	80	

Batch No: B23909

Associated Samples

59745, 59746

TestCode: Micro: Fecal Coliform (MF) - 9222D

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- %RPD %Rec	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- %RPD %Rec	Sample Dup %RPD	--QC Limit-- %RPD	Qualifiers
Parent Sample Number												59751		
Coliform, Fecal (MF)	<1 U											14.3	78	
Parent Sample Number														
Coliform, Fecal (MF)	<1 U												78	

* Indicates value is outside control limits for %Recovery or greater than acceptance criteria for RPD

Footnotes

U Compound analyzed for, but not detected.

NELAP #E821059