



October 08, 2021

Service Request No:J2101779

Mr. Jeremy Parrish
Florida DEP
8800 Baymeadows Way West
Jacksonville, FL 32256-7577

Laboratory Results for: RQ-2021-09-20-15

Dear Mr.Parrish,

Enclosed are the results of the sample(s) submitted to our laboratory September 30, 2021
For your reference, these analyses have been assigned our service request number **J2101779**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance with the TNI 2016 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4429. You may also contact me via email at valerie.spears@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Valerie Spears
Laboratory Director

ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE +1 904 739 2277 | FAX +1 904 739 2011
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Jacksonville Laboratory
9143 Philips Highway, Suite 200, Jacksonville, FL 32256
Phone (904) 739-2277 Fax (904) 739-2011
www.alsglobal.com



Client: Florida Department of Environmental Protection
(DEP)
Project: RQ-2021-09-20-15
Sample Matrix: Water

Service Request: J2101779

Date Received: 09/30/2021

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier I level requested by the client.

Sample Receipt:

Six water samples were received for analysis at ALS Environmental on 09/30/2021. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Microbiology:

Method SM 9223 B: Sample(s) were removed from the incubator and read on 10/01/2021 @ 1820.

Approved by

A handwritten signature in black ink, appearing to read 'Taluni Spear', is written over a horizontal line.

Date

10/08/2021

SAMPLE DETECTION SUMMARY

CLIENT ID: 19010048			Lab ID: J2101779-001			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Escherichia coli	58.1			1.0	MPN/100m L	SM 9223 B

CLIENT ID: 19010084			Lab ID: J2101779-002			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Escherichia coli	116			1.0	MPN/100m L	SM 9223 B

CLIENT ID: 19010093			Lab ID: J2101779-003			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Escherichia coli	69.1			1.0	MPN/100m L	SM 9223 B

CLIENT ID: 19010127			Lab ID: J2101779-004			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Escherichia coli	17.9			1.0	MPN/100m L	SM 9223 B

CLIENT ID: 19010027			Lab ID: J2101779-005			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Escherichia coli	58.3			1.0	MPN/100m L	SM 9223 B

CLIENT ID: 19010105			Lab ID: J2101779-006			
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Analyte	Results	Flag	MDL	MRL	Units	Method
Escherichia coli	61.3			1.0	MPN/100m L	SM 9223 B



Sample Receipt Information

ALS Environmental—Jacksonville Laboratory
9143 Philips Highway, Suite 200, Jacksonville, FL 32256
Phone (904) 739-2277 Fax (904) 739-2011
www.alsglobal.com

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15

Service Request:J2101779

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J2101779-001	19010048	09/30/2021	1035
J2101779-002	19010084	09/30/2021	1050
J2101779-003	19010093	09/30/2021	1125
J2101779-004	19010127	09/30/2021	1205
J2101779-005	19010027	09/30/2021	1235
J2101779-006	19010105	09/30/2021	1320



CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Suite 200 Jacksonville, FL 32256 / Ph(904) 739-2277 / FAX (904) 739-2011

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SR #

J2101779

ALS Contact: Mandy Sullivan

Client Name FDEP-NE ROC		Project Number RQ-2021-09-20-15		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Report To Dep-Overflowmicro@dep.state.fl.us		Report CC Nassau west 1		NUMBER OF CONTAINERS	E.Coli	Enterococci																	Preservative Key 0. None 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. ICE REMARKS
Company/Address 8800 Baymeadows Way W Jacksonville, FL 32256																							
Phone # 904-256-1700		FAX #																					
Sampler's Signature Jeremy Parrish		Sampler's Printed Name Jeremy Parrish																					
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE TIME		Matrix																			
19010048		9/30/21	1035	SW	1	X																	Fresh ↓
19010084			1050		1	X																	
19010093			1125		1	X																	
19010127			1205		1	X																	
19010027			1235		1	X																	
19010105			1320	✓	1	X																	
Special Instructions/Comments: Email Report to: Dep-Overflowmicro@dep.state.fl.us				TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) X STANDARD REQUESTED FAX DATE N/A REQUESTED REPORT DATE N/A				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No				INVOICE INFORMATION P.O. # B10739 Bill to:											
Relinquished By Signature Jeremy Parrish		Received By Signature Valerie Spears		Relinquished By Signature		Received By Signature		Relinquished By Signature		Received By Signature		Relinquished By Signature		Received By Signature									
Printed Name Jeremy Parrish		Printed Name Valerie Spears		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name									
Firm FDEP		Firm ALS		Firm		Firm		Firm		Firm		Firm		Firm									
Date/Time 9/30/21 1426		Date/Time 9/30/21 1426		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time									



Cooler Receipt Form

Client: FDEP Service Request #: 52101779
Project: RQ-2021-09-20-15 Shipping paid by ALS?
Shipment received on 9/30/21 and opened on 9/30/21 by VA Yes No (N/A)
COURIER: ALS UPS FEDEX DHL (Client) Other _____ Airbill # _____

Packing Conditions

Custody seals on outside of cooler? Yes (No)
If yes, how many and where? #: _____ on: lid other
Were seals intact and signature and date correct? Yes No (N/A)
Temperature of cooler(s) upon receipt (0-6°C) 0.2
Thermometer ID T202
Temperature Blank Present? Yes (No)
Temperature preservation? (Ice) Ice Packs None
Type of packing material present Bubble Wrap Netting Paper
Vial Holder Styrofoam Other (N/A)

Sample Conditions

If No for any items below, note discrepancies in comments section.

COC properly filled out? Yes (No) Didn't arrive
Where did the containers originate? ALS (Client)
All containers arrive in good condition? Yes (No)
All container labels complete? Yes (No)
All container labels agree with custody papers? Yes (No) N/A
Any samples with unusual characteristics? Typical (Exceptional)
All samples received with sufficient volume? Yes (No)
Correct containers used for the tests indicated? Yes (No) N/A
All containers received with the appropriate preservative? Yes (No) N/A
All samples received within analysis holding times? Yes (No) N/A
VOA vials free of air bubbles greater than 6mm? Yes (No) (N/A)

Sample ID	Reagent	Lot #	Exp. Date	mL added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted:

Date:



Miscellaneous Forms

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FLORIDA DEP DATA QUALIFIERS

- B Results based upon colony counts outside the acceptable range.
- D Measurement was made in the field.
- H Value based on field kit determination; results may not be accurate.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J Estimated value (one of the following reasons is discussed in the project case narrative).
1. The result may be inaccurate because the surrogate recovery limits have been exceeded.
 2. No known quality control criteria exists for the component.
 3. The reported value failed to meet the established quality control criteria for either precision or accuracy.
 4. The sample matrix interfered with the ability to make any accurate determination (e.g., primary and confirmation results show greater than 40% RPD).
 5. The data is questionable because of improper laboratory or field protocols (e.g., GC/MS Tune did not meet method criteria).
- K Off scale low. The value is less than the lowest calibration standard but greater than the method reporting limit (MRL).
- L Off scale high. The analyte is above the upper limit of the linear calibration range.
- M The MDL/MRL has been elevated because the analyte could not be accurately quantified due to matrix interference.
- N Presumptive evidence of the analyte. Confirmation was not performed.
- Q Sample held beyond the accepted holding time.
- T Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
- U Indicates that the compound was analyzed for but not detected.
- V Indicates that the analyte was detected in both the sample and the associated method blank.
- Y The laboratory analysis was from an improperly preserved sample.
- Z Too many colonies were present (TNTC). The numeric value represents the filtration volume.



Jacksonville Lab ID # for State Certifications¹

Agency	Number	Expiration Date
Florida Department of Health	E82502	6/30/2022

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided.



ACRONYMS

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.

dba ALS Environmental

Analyst Summary report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15/

Service Request: J2101779

Sample Name: 19010048
Lab Code: J2101779-001
Sample Matrix: Water

Date Collected: 09/30/21**Date Received:** 09/30/21

Analysis Method
SM 9223 B

Extracted/Digested By

Analyzed By
VSPEARS

Sample Name: 19010084
Lab Code: J2101779-002
Sample Matrix: Water

Date Collected: 09/30/21**Date Received:** 09/30/21

Analysis Method
SM 9223 B

Extracted/Digested By

Analyzed By
VSPEARS

Sample Name: 19010093
Lab Code: J2101779-003
Sample Matrix: Water

Date Collected: 09/30/21**Date Received:** 09/30/21

Analysis Method
SM 9223 B

Extracted/Digested By

Analyzed By
VSPEARS

Sample Name: 19010127
Lab Code: J2101779-004
Sample Matrix: Water

Date Collected: 09/30/21**Date Received:** 09/30/21

Analysis Method
SM 9223 B

Extracted/Digested By

Analyzed By
VSPEARS

Sample Name: 19010027
Lab Code: J2101779-005
Sample Matrix: Water

Date Collected: 09/30/21**Date Received:** 09/30/21

Analysis Method
SM 9223 B

Extracted/Digested By

Analyzed By
VSPEARS

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15/

Service Request: J2101779

Sample Name: 19010105
Lab Code: J2101779-006
Sample Matrix: Water

Date Collected: 09/30/21
Date Received: 09/30/21

Analysis Method
SM 9223 B

Extracted/Digested By

Analyzed By
VSPEARS



Sample Results

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Microbiology

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15
Sample Matrix: Water
Sample Name: 19010048
Lab Code: J2101779-001

Service Request: J2101779
Date Collected: 09/30/21 10:35
Date Received: 09/30/21 14:26
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Escherichia coli	SM 9223 B	58.1	MPN/100mL	1.0	1	09/30/21 16:01	

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dba ALS Environmental

Analytical Report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15
Sample Matrix: Water
Sample Name: 19010084
Lab Code: J2101779-002

Service Request: J2101779
Date Collected: 09/30/21 10:50
Date Received: 09/30/21 14:26
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Escherichia coli	SM 9223 B	116	MPN/100mL	1.0	1	09/30/21 16:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15
Sample Matrix: Water
Sample Name: 19010093
Lab Code: J2101779-003

Service Request: J2101779
Date Collected: 09/30/21 11:25
Date Received: 09/30/21 14:26
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Escherichia coli	SM 9223 B	69.1	MPN/100mL	1.0	1	09/30/21 16:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15
Sample Matrix: Water
Sample Name: 19010127
Lab Code: J2101779-004

Service Request: J2101779
Date Collected: 09/30/21 12:05
Date Received: 09/30/21 14:26
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Escherichia coli	SM 9223 B	17.9	MPN/100mL	1.0	1	09/30/21 16:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15
Sample Matrix: Water
Sample Name: 19010027
Lab Code: J2101779-005

Service Request: J2101779
Date Collected: 09/30/21 12:35
Date Received: 09/30/21 14:26
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Escherichia coli	SM 9223 B	58.3	MPN/100mL	1.0	1	09/30/21 16:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15
Sample Matrix: Water
Sample Name: 19010105
Lab Code: J2101779-006

Service Request: J2101779
Date Collected: 09/30/21 13:20
Date Received: 09/30/21 15:35
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Escherichia coli	SM 9223 B	61.3	MPN/100mL	1.0	1	09/30/21 16:01	



QC Summary Forms

ALS Environmental - Jacksonville Laboratory
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Analytical Report

Client: Florida Department of Environmental Protection (DEP)
Project: RQ-2021-09-20-15
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: J2101779-MB

Service Request: J2101779
Date Collected: NA
Date Received: NA
Basis: NA

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Escherichia coli	SM 9223 B	1.0 U	MPN/100mL	1.0	1	09/30/21 16:01	