



April 28, 2017

Service Request No:J1702752

Sara Armour
Florida Department of Environmental Protection
Bureau of Laboratories
2600 Blair Stone Road
Tallahassee, FL 32399

Laboratory Results for: LSJR COAST

Dear Sara,

Enclosed are the results of the sample(s) submitted to our laboratory April 20, 2017
For your reference, these analyses have been assigned our service request number **J1702752**.

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 to the NELAC 2003 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 4410. You may also contact me via email at Jerry.Allen@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Jerry Allen
Project Manager

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ALS Group USA, Corp.
dba ALS Environmental



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 DEP
Project: LSJR COAST/RQ-2017-04-17-13

Service Request:J1702752

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1702752-001	G2NE1137	4/20/2017	0915
J1702752-002	G5NE0020	4/20/2017	0855
J1702752-003	G2NE0703	4/20/2017	1030
J1702752-004	G2NE0766	4/20/2017	0950
J1702752-005	G2NE1136	4/20/2017	1005

Cooler Receipt Form

Client: DEARNED ROC Service Request #: 5170-2752
 Project: LSIR COAST Shipping paid by ALS? Yes No (N/A)
 Cooler received on 4.20.17 and opened on 4.20.17 by EH
 COURIER: ALS UPS FEDEX DHL (Client) Other _____ Airbill # _____

- 1 Were custody seals on outside of cooler? Yes (No)
 If yes, how many and where? #: _____ on lid other _____
- 2 Were seals intact and signature and date correct? Yes No (N/A)
- 3 Were custody papers properly filled out? (Yes) No N/A
- 4 Temperature of cooler(s) upon receipt (Should be 0°C and ≤ 6°C) 08°C
 5 Thermometer ID T124
- 6 Temperature Blank Present? Yes (No)
- 7 Were Ice or Ice Packs present (Ice) Ice Packs No
- 8 Did all bottles arrive in good condition (unbroken, etc....)? (Yes) No N/A
- 9 Type of packing material present Netting Vial Holder Bubble Wrap
 Paper Styrofoam Other (N/A)
- 10 Were all bottle labels complete (sample ID, preservation, etc....)? (Yes) No N/A
- 11 Did all bottle labels and tags agree with custody papers? (Yes) No N/A
- 12 Were the correct bottles used for the tests indicated? (Yes) No N/A
- 13 Were all of the preserved bottles received with the appropriate preservative?
 HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2
 Preservative additions noted below Yes No (N/A)
- 14 Were all samples received within analysis holding times? (Yes) No N/A
- 15 Were VOA vials free of air bubbles greater than 6mm? If present, note below Yes No (N/A)
- 16 Where did the bottles originate? EH 4.20.17 (ALS) (Client)

Sample ID	Reagent	Lot #	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
Department of Defense	66206	7/31/2018
Florida Department of Health	E82502	6/30/2017
Georgia Department of Natural Resources	958	6/30/2017
Kentucky Division of Waste Management	63	6/30/2017
Louisiana Department of Environmental Quality	02086	6/30/2017
Maine Department of Health and Human Services	2015002	2/3/2019
North Carolina Department of Environment and Natural Resources	527	12/31/2017
Pennsylvania Department of Environmental Protection	68-04835	8/31/2017
South Carolina Department of Health and Environmental Control	96021001	6/30/2017
Texas Commission on Environmental Quality	T104704197-16-8	5/31/2017
Virginia Environmental Accreditation Program	460191	12/14/2017

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. For a specific list of accredited analytes, refer to <http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads>



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 DEP
Project: LSJR COAST/RQ-2017-04-17-13

Service Request: J1702752

Sample Name: G2NE1137
Lab Code: J1702752-001
Sample Matrix: Water

Date Collected: 04/20/17**Date Received:** 04/20/17

Analysis Method
ASTM D6503-99

Extracted/Digested By

Analyzed By
AVONEBERSTEIN

Sample Name: G5NE0020
Lab Code: J1702752-002
Sample Matrix: Water

Date Collected: 04/20/17**Date Received:** 04/20/17

Analysis Method
ASTM D6503-99

Extracted/Digested By

Analyzed By
AVONEBERSTEIN

Sample Name: G2NE0703
Lab Code: J1702752-003
Sample Matrix: Water

Date Collected: 04/20/17**Date Received:** 04/20/17

Analysis Method
ASTM D6503-99

Extracted/Digested By

Analyzed By
AVONEBERSTEIN

Sample Name: G2NE0766
Lab Code: J1702752-004
Sample Matrix: Water

Date Collected: 04/20/17**Date Received:** 04/20/17

Analysis Method
ASTM D6503-99

Extracted/Digested By

Analyzed By
AVONEBERSTEIN

Sample Name: G2NE1136
Lab Code: J1702752-005
Sample Matrix: Water

Date Collected: 04/20/17**Date Received:** 04/20/17

Analysis Method
ASTM D6503-99

Extracted/Digested By

Analyzed By
AVONEBERSTEIN



Sample Results

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Microbiology

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dba ALS Environmental

Analytical Report

Client: Florida DEP
Project: LSJR COAST/RQ-2017-04-17-13
Sample Matrix: Water
Analysis Method: ASTM D6503-99

Service Request: J1702752
Date Collected: 04/20/17
Date Received: 04/20/17
Units: MPN/100mL
Basis: NA

Enterococcus

Sample Name	Lab Code	Result	PQL	Dil.	Date Analyzed	Q
G2NE1137	J1702752-001	26	5.0	5	04/20/17 12:32	
G5NE0020	J1702752-002	20	5.0	5	04/20/17 12:32	
G2NE0703	J1702752-003	340	5.0	5	04/20/17 12:32	
G2NE0766	J1702752-004	250	5.0	5	04/20/17 12:32	
G2NE1136	J1702752-005	5.0 U	5.0	5	04/20/17 12:32	
Method Blank	J1702752-MB	1.0 U	1.0	1	04/20/17 12:32	