



April 03, 2017

Service Request No:J1702138

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

Laboratory Results for: LSJR NORTH

Dear Sara,

Enclosed are the results of the sample(s) submitted to our laboratory March 28, 2017
For your reference, these analyses have been assigned our service request number **J1702138**.

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

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



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 NORTH/2017-03-27-05

Service Request:J1702138

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1702138-001	GZNE1138	3/28/2017	0955
J1702138-002	GZNE0132	3/28/2017	1025
J1702138-003	GZNE0122	3/28/2017	1100
J1702138-004	GZNE0131	3/28/2017	1125
J1702138-005	GZNE0154	3/28/2017	1155

Cooler Receipt Form

Client: FIDEP Service Request #: J1702138
 Project: LSJR NORTH Shipping paid by ALS? Yes No (N/A)
 Cooler received on 3.28.17 and opened on 3.28.17 by EH
 COURIER: ALS UPS FEDEX DHL (Client) Other _____ Airbill # _____

- | | | | |
|----|---|------------------------------------|------------------------------|
| 1 | Were custody seals on outside of cooler? | Yes | <u>(No)</u> |
| | If yes, how many and where? | #: _____ on lid | other _____ |
| 2 | Were seals intact and signature and date correct? | Yes | No <u>(N/A)</u> |
| 3 | Were custody papers properly filled out? | <u>(Yes)</u> | No N/A |
| 4 | Temperature of cooler(s) upon receipt (Should be 0°C and ≤ 6°C) <u>3.6</u> | _____ | |
| 5 | Thermometer ID <u>T124</u> | _____ | |
| 6 | Temperature Blank Present? | Yes | <u>(No)</u> |
| 7 | Were Ice or Ice Packs present | <u>(Ice)</u> | Ice Packs No |
| 8 | Did all bottles arrive in good condition (unbroken, etc....)? | <u>(Yes)</u> | No N/A |
| 9 | Type of packing material present | Netting | Vial Holder Bubble Wrap |
| | | Paper | Styrofoam Other <u>(N/A)</u> |
| 10 | Were all bottle labels complete (sample ID, preservation, etc....)? | <u>(Yes)</u> | No N/A |
| 11 | Did all bottle labels and tags agree with custody papers? | <u>(Yes)</u> | No N/A |
| 12 | Were the correct bottles used for the tests indicated? | <u>(Yes)</u> | No N/A |
| 13 | Were all of the preserved bottles received with the appropriate preservative? | Yes | No <u>(N/A)</u> |
| | HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2 | Preservative additions noted below | |
| 14 | Were all samples received within analysis holding times? | <u>(Yes)</u> | No N/A |
| 15 | Were VOA vials free of air bubbles greater than 6mm? If present, note below | Yes | No <u>(N/A)</u> |
| 16 | Where did the bottles originate? | ALS | <u>(Client)</u> |

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:



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

9143 Philips Highway, Ste 200 • Jacksonville, FL 32256 (904) 739-2277 • 800-695-7222 x06 • FAX (904) 739-2011

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SR# J1702138

CAS Contract

Project Name LSJR NORTH		Project Number 2017-03-27-05		ANALYSIS REQUESTED (Include Method Number and Container Preservative)														
Project Manager Jeremy Parish		Email Address		PRESERVATIVE ☒														
Company/Address FDEP 8800 Baymeadows Way W JAX FL 32256				NUMBER OF CONTAINERS ENTER LOCUS	J1702138 Florida Department of Environmental Protection LSJR NORTH  5												Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other <u>100</u>	
Phone # 904 256 1700		FAX #		REMARKS/ ALTERNATE DESCRIPTION														
Sampler's Signature Jeremy Parish		Sampler's Printed Name																
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE TIME		MATRIX														
G2NE0138		3/28/17 955		SW														
G2NE0137		3/28/17 1025																
G2NE0122		3/28/17 1100																
G2NE0131		3/28/17 1125																
G2NE0154		3/28/17 1155																
SPECIAL INSTRUCTIONS/COMMENTS					TURNAROUND REQUIREMENTS ____ RUSH (SURCHARGES APPLY) ☒ STANDARD REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____				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 ____ V. Specialized Forms / Custom Report Edata ____ Yes ____ No				INVOICE INFORMATION ____ PO # ____ BILL TO: _____ _____ _____					
See QAPP ☐																		
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 3-6					CUSTODY SEALS: (N)													
RELINQUISHED BY Jeremy Parish		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY				
Signature		Signature		Signature		Signature		Signature		Signature		Signature		Signature				
Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name				
Firm		Firm		Firm		Firm		Firm		Firm		Firm		Firm				
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time				
3/28/17 1336		3/28/17 1336																



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.



Sample Results

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Microbiology

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Florida DEP
Project: LSJR NORTH/2017-03-27-05
Sample Matrix: Water
Analysis Method: ASTM D6503-99

Service Request: J1702138
Date Collected: 03/28/17
Date Received: 03/28/17
Units: MPN/100mL
Basis: NA

Enterococcus

Sample Name	Lab Code	Result	PQL	Dil.	Date Analyzed	Q
GZNE1138	J1702138-001	26	5.0	5	03/28/17 15:13	
GZNE0132	J1702138-002	5.0 U	5.0	5	03/28/17 15:13	
GZNE0122	J1702138-003	5.0 U	5.0	5	03/28/17 15:13	
GZNE0131	J1702138-004	5.0 U	5.0	5	03/28/17 15:13	
GZNE0154	J1702138-005	5.0 U	5.0	5	03/28/17 15:13	
Method Blank	J1702138-MB	1.0 U	1.0	1	03/28/17 15:13	