



January 30, 2017

Service Request No:J1700630

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

Laboratory Results for: LSJR N. Salt

Dear Sara,

Enclosed are the results of the sample(s) submitted to our laboratory January 25, 2017
For your reference, these analyses have been assigned our service request number **J1700630**.

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 N. Salt/2017-01-16-17

Service Request:J1700630

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
J1700630-001	20030125	1/25/2017	1045
J1700630-002	G2NE1138	1/25/2017	1005
J1700630-003	20030115	1/25/2017	1110
J1700630-004	20030124	1/25/2017	1135
J1700630-005	20030147	1/25/2017	1205

Cooler Receipt Form

Client: DEARNED ROC Service Request #: J17000630
 Project: LSJR N. SALT Shipping paid by ALS? ☐ Yes ☐ No ☒ N/A
 Cooler received on 1.25.17 and opened on 1.25.17 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) <u>0.9C</u> | | | |
| 5 | Thermometer ID <u>T124</u> | | | |
| 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? | Yes | No | ☒ N/A |
| | 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? | ☒ 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? | 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:



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR# 1700630

CAS Contract

Project Name				Project Number				ANALYSIS REQUESTED (Include Method Number and Container Preservative)			
Project Manager				PRESERVATIVE				PRESERVATIVE			
Company/Address				NUMBER OF CONTAINERS				PRESERVATIVE			
LSR N. SALT				2017-01-16-17				J1700630			
Jeremy Parrish								Florida Department of Environmental Protection			
DEAR NED ROC								LSJRN Salt			
8800 Baymeadows way W.								5			
JAX FL 32256								ENTROCCO			
904 256-1700								ENTROCCO			
Jeremy Parrish								ENTROCCO			
Jeremy Parrish								ENTROCCO			
LAB ID				SAMPLING DATE				SAMPLING TIME			
20030125				01/25/17				1045 SW			
GIANE 1138								1005			
20030115								1110			
20030124								1135			
20030147								1205			
CLIENT SAMPLE ID				LAB ID				MATRIX			
20030125								SW			
GIANE 1138											
20030115											
20030124											
20030147											
SPECIAL INSTRUCTIONS/COMMENTS				TURNAROUND REQUIREMENTS				REPORT REQUIREMENTS			
Surface water SALT				RUSH (SURCHARGES APPLY) ☒ STANDARD				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			
See QAPP ☐				REQUESTED FAX DATE				Edata Yes No			
REQUESTED REPORT DATE				RECEIVED BY				RECEIVED BY			
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 59C				CUSTODY SEALS: Y/N				RECEIVED BY			
RELINQUISHED BY				RELINQUISHED BY				RELINQUISHED BY			
Signature Patrick O'Connell				Signature				Signature			
Printed Name				Printed Name				Printed Name			
Firm DEAR NED ROC				Firm				Firm			
Date/Time 01/25/17 12:52				Date/Time				Date/Time			



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	2/3/2017
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 N. Salt/2017-01-16-17
Sample Matrix: Water
Analysis Method: ASTM D6503-99

Service Request: J1700630
Date Collected: 01/25/17
Date Received: 01/25/17
Units: MPN/100mL
Basis: NA

Enterococcus

Sample Name	Lab Code	Result	PQL	Dil.	Date Analyzed	Q
20030125	J1700630-001	10	10	10	01/25/17 15:39	
G2NE1138	J1700630-002	10	10	10	01/25/17 15:39	
20030115	J1700630-003	31	10	10	01/25/17 15:39	
20030124	J1700630-004	10 U	10	10	01/25/17 15:39	
20030147	J1700630-005	10 U	10	10	01/25/17 15:39	
Method Blank	J1700630-MB	1.0 U	1.0	1	01/25/17 14:05	