



Pace Analytical Services, LLC
 P.O. Box 907
 Madisonville, KY 42431
 270.821.7375
 www.pacelabs.com

Date: 07/13/2023
 Invoice #: 2315310-44
 Customer PO
 Terms: Net 30 Days
 Due Date: 08/14/2023

*** Please include invoice number with remittance. ***

INVOICE

Invoice To:
 Nicholas County Development Corp.
 Dane A Garber
 P. O. Box 306
 Carlisle, KY 40311

Page 1 of 1
 Customer ID: 44-100001

Sample ID: 3072749-01 Sample Date: 07/06/2023 10:00 Project: Lake Sample
 Sample Desc: Lake Carnico

<u>Analysis</u>	<u>Amount</u>
Ecoli 18 Enumeration Lex	\$51.30
Pseudomonas aeruginosa by Pseudalert	\$83.50
Total Coliform 18 PRIVATE Lex	\$51.30
Total for Sample 3072749-01	\$186.10
Total for Work Order 3072749	\$186.10

Additional Items

<u>Description</u>	<u>Quantity</u>	<u>Price</u>	<u>Item Total</u>
Environmental Impact Fee	1	\$25.00	\$25.00
Sample Disposal Fee	1	\$3.00	\$3.00
Total Invoice Amount			\$214.10

2.5% Credit Card surcharge \$5.35
 Total CC Charge Amount \$219.45

A 2.5% Credit Card Surcharge of \$5.35 may be added to any Credit Card Payment. Debit and ACH/e-checks incur no additional fees.

We appreciate your business and continued support. We remain committed to supplying you with the highest quality analytical results. If you have any questions concerning this invoice, please contact us at 270-821-7375.

Please submit this stub with payment

Questions or pay by phone call (612)-607-6400

Customer ID: 44-100001 Invoice: 2315310 Date: 07/13/2023 Invoice Amount: \$214.10

REMIT TO:
 Pace Analytical Services, LLC
 P.O. Box 684056
 Chicago, IL 60695-4056

Ref: I005

Terms - Net 30 Days

Pace reserves the right to charge a surcharge on credit card payments based on card type and zip code.



Certificate of Analysis 3072749

Dane A Garber
Nichloas County Development Corp.
P. O. Box 306
Carlisle, KY 40311

Customer ID: 44-100001
Report Printed: 07/13/2023 08:18

Project Name: Lake Sample	Workorder: 3072749
---------------------------	--------------------

Dear Dane A Garber

Enclosed are the analytical results for samples received by the laboratory 07/06/2023 11:35.

The results relate to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services LLC Kentucky - Lexington
- Pace Analytical Services LLC Kentucky - Madisonville

If you have any questions concerning this report, please feel free to contact me.



#460210 Madisonville, KY
#460291 Pikeville, KY

Melissia Brown, Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



SAMPLE SUMMARY

Lab ID	Client Sample ID/Alias	Matrix	Date Collected	Date Received	Sampled By
3072749-01	Lake Carnico/	Water	07/06/2023 10:00	07/06/2023 11:35	Dane A Garber

ANALYTICAL RESULTS

Lab Sample ID: **3072749-01**
 Description: **Lake Carnico**

Sample Collection Date Time: 07/06/2023 10:00
 Sample Received Date Time: 07/06/2023 11:35

Microbiological Analyses Madisonville

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Pseudomonas aeruginosa	Absent		Present/Absent	1		IDEXX Pseudalert	07/10/2023 14:20	07/11/2023 15:00	CMB

Microbiological Analyses Lexington

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
E. Coli	8		MPN/100mL	1		Colilert®-18 - MPN	07/06/2023 15:19	07/07/2023 09:39	JAC1
Total Coliform	Present		Present/Absent	1.00		Colilert®-18 - P/A	07/06/2023 16:01	07/07/2023 10:24	JAC1



Notes for work order 3072749

- Samples collected by PACE personnel are done so in accordance with procedures set forth in PACE field services SOPs .
- Results contained in this report are only representative of the samples received.
- PACE does not provide interpretation of these results unless otherwise stated .
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identification based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Qualifiers

- T15 Sample receipt temperature outside 0 - 6°C; sample collected on same day as received; sample received on ice.
- U Target analyte was analyzed for, but was below detection limit (the value associated with the qualifier is the laboratory method detection limit in our LIMS system).

Standard Qualifiers/Acronyms

- MDL Method Detection Limit
MRL Minimum Reporting Limit
ND Not Detected
LCS Laboratory Control Sample
MS Matrix Spike
MSD Matrix Spike Duplicate
DUP Sample Duplicate
% Rec Percent Recovery
RPD Relative Percent Difference
> Greater than
< Less than



Pace Analytical Services, LLC
P.O. Box 907
Madisonville, KY 42431
270.821.7375
www.pacelabs.com

Microbiological Analyses Madisonville - Quality Control

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD	RPD Limit	Notes
		Limit	Units			%REC	Limits			

Batch BCG0635 - Default Prep Micro

Blank (BCG0635-BLK1)

Prepared: 7/10/2023 9:24, Analyzed: 7/11/2023 12:21

Pseudomonas aeruginosa	Absent	1 Present/Absent
------------------------	--------	------------------



Microbiological Analyses Lexington - Quality Control

Analyte	Result	Reporting		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
		Limit	Units							

Batch BCG0447 - Default Prep Micro 4

Blank (BCG0447-BLK1)

Prepared: 7/6/2023 16:01, Analyzed: 7/7/2023 10:24

Total Coliform	Absent	1.00	Present/Abse nt
----------------	--------	------	--------------------

Batch BCG0450 - Default Prep Micro 4

Blank (BCG0450-BLK1)

Prepared: 7/6/2023 15:19, Analyzed: 7/7/2023 9:39

E. Coli	ND	1	MPN/100mL	U
---------	----	---	-----------	---

Blank (BCG0450-BLK2)

Prepared: 7/6/2023 15:19, Analyzed: 7/7/2023 9:39

E. Coli	ND	1	MPN/100mL	U
---------	----	---	-----------	---

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

Colilert®-18 - MPN in Water

E. Coli KY Drinking Water Lex (00066) KY Wastewater Lex (00066)

Colilert®-18 - P/A in Water

Total Coliform KY Drinking Water Lex (00066)

Sample Acceptance Checklist for Work Order 3072749	
Shipped By: Client	Temperature: 19.50° Celcius
Condition	
Check if Custody Seals are Present/Intact	<input type="checkbox"/>
Check if Custody Signatures are Present	<input checked="" type="checkbox"/>
Check if Collector Signature Present	<input checked="" type="checkbox"/>
Check if bottles are intact	<input checked="" type="checkbox"/>
Check if bottles are correct	<input checked="" type="checkbox"/>
Check if bottles have sufficient volume	<input checked="" type="checkbox"/>
Check if samples received on ice	<input checked="" type="checkbox"/>
Check if VOA headspace is acceptable	<input type="checkbox"/>
Check if samples received in holding time.	<input checked="" type="checkbox"/>
Check if samples are preserved properly	<input checked="" type="checkbox"/>



CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: <https://info.pacelabs.com/hubs/pas-standard-terms.pdf>
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY: Affix Workorder/Login Label Here or List Pace Workorder Number or MTIL Log-in Number Here

3072749

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: **NCDC**
 Address: **PO BOX 306 CARLISLE Ky**
 Report To: **PO BOX 306 CARLISLE Ky 40311**
 Copy To: **DANE GARBER@GMAIL.COM**
 Customer Project Name/Number: **781 CARNICO RD CARLISLE Ky 40311**

Billing Information: **NCDC**
 Email To: **DANE GARBER@GMAIL.COM**
 Site Collection Info/Address: **781 CARNICO RD CARLISLE Ky 40311**
 State: **Ky** County/City: **NICHOLAS** Time Zone Collected: **[] PT [] MT [] CT [] ET**
 Compliance Monitoring? **[] Yes [] No**
 DW PWS ID #:
 DW Location Code:
 Immediately Packed on Ice: **[] Yes [] No**
 Field Filtered (if applicable): **[] Yes [] No**
 Analysis:
 Container Type: Plastic (P) or Glass (G) **G**

Container Preservative Type **
 Lab Project Manager:
 ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res □	# of Ctns
			Date	Time	Date	Time		
BEACH 1		G	7/6/23	10:00 AM				
BEACH 2		G	7/6/23	10:00 AM				
BEACH 3		G	7/6/23	10:00 AM				

Analyses		Lab Profile/Line	
TOTAL COLIFORM (P/IDE)	E COLI (18 ENUMERATION)	SUDOMONIS	Lab Sample Receipt Checklist
			Custody Seal Present/Intact
			Custody Signature Present
			Collector Signature Present
			Bottles Intact
			Correct Bottles
			Sufficient Volume
			Sample Received on Ice
			Vol. Headspace Acceptable
			USDA Regulated Soils
Samples in Holding Time			
Residual Chlorine Present			
Cl Strips			
Sample pH Acceptable			
pH Strips			
Sulfide Present			
Lab Acetate Strips			
LAB USE ONLY			
Lab Sample # / Comments			

Thermometer Serial Number: **210029350**
 Customer Remarks: **Temp 19.5°C**
 Special Conditions/Residual Hazards:
 Type of Ice Used: **[] Wet [] Blue [] Dry [] None**
 Packing Material Used:
 Radchem sample(s) screened (<500 cpm): **[] Yes [] No**

SHORT-HOLDS PRESENT (<72 hours): **[] Yes [] No [] N/A**
 Lab Tracking #:
 Samples received via: **FEDEX UPS Client Courier Pace Courier**
 Lab Sample Temperature Info:
 Temp Blank Received: **[] Yes [] No**
 Therm ID#:
 Cooler Temp Upon Receipt: **[] °C**
 Cooler 1 Therm Corr. Factor: **[] °C**
 Cooler 1 Corrected Temp: **[] °C**
 Comments:
 Trip Blank Received: **[] Yes [] No**
 Pre-CL: **[] MeOH [] TSP [] Other**
 Non-Conformance(s): **[] Yes [] No**
 Page: **[] of []**

Relinquished by/Company: (Signature) **Dane Garber** Date/Time: **7/6/23 11:35 AM**
 Received by/Company: (Signature) **Josmar Luall** Date/Time: **7-6-23 1135**
 Relinquished by/Company: (Signature) **Josmar Luall (to Fridge)** Date/Time: **7-6-23 1135**
 Received by/Company: (Signature) **Josmar Luall (from Fridge)** Date/Time: **7-6-23**
 Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time: