



ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Steven L. Beshear  
Governor

DIVISION OF ENVIRONMENTAL PROGRAM SUPPORT

Environmental Services Branch

100 Sower Blvd., Ste. 104  
Frankfort, Kentucky 40601-8272

Leonard K. Peters  
Secretary

R. Bruce Scott  
Commissioner

Thursday, September 11, 2014

Lab Sample Number: AL03436

Station/Project ID:

To: Division of Water  
200 Fair Oaks  
Frankfort, KY 40601  
ATTN: Mark Martin

Re: Ambient Monitoring Network

County: Nicholas

Program Code: A16

Collected By: Mark Martin

AKGWA:

Delivered By: Mark Martin

Facility:

Received By: Jennifer Clark

Date: 08/18/2014

Time: 13:15

Sample Matrix: Water

Date: 08/20/2014

Time: 12:07

Sample Description: Lake Carnico

Date: 08/20/2014

Time: 12:07

Sample ID: CLN084

Collection Method: Composite

Sample Type: Field Sample

Container ID:

Shipment Temp: 1.0C

**REPORT OF ANALYSIS**

LAB ACODE	CAS NUM	CONSTITUENTS	RESULT	UNIT	LOQ	LOD	FLAG
1000		Acidity	No Data	mg/L	5.0		JX
1020		Alkalinity (as CaCO3)	86.6	mg/L	5.0		
1030		Alkalinity, Carbonate (as CaCO3)	Not detected	mg/L	5.0		U
1040		Alkalinity, Bicarbonate (as CaCO3)	86.6	mg/L	5.0		
1100	16887-00-6	Chloride	7.43	mg/L	5.0		
1205		Hardness, Total (EDTA, as CaCO3)	81.5	mg/L	5.0	2.5	D
1320		Solids, Total Suspended	8.00	mg/L	1.5		
1425	14808-79-8	Sulfate	14.2	mg/L	4.0	2.0	
2260D	7440-44-0	Organic Carbon, Dissolved	5.98	mg/L	0.25	0.10	
2000	7664-41-7	Ammonia (as N)	Not detected	mg/L	0.050	0.025	U
2280		Total Kjeldhal Nitrogen	0.751	mg/L	0.50	0.20	
2120		Nitrate/Nitrite (as N)	Not detected	mg/L	0.020	0.010	U
2160D	14265-44-2	Orthophosphate (as P)	Not detected	mg/L	0.020	0.010	UZ
2200	7723-14-0	Phosphorus, Total	Not detected	mg/L	0.020	0.010	U
2180D	7723-14-0	Phosphorus, Dissolved	Not detected	mg/L	0.020	0.010	U

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Report Version 1

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**Container Preservation Status at Sample Login**

@PG-ICE-1	Container -iced	Unpreserved (checked by pH strip)
@PG-ICE-2	Container -iced 2nd rep	pH not tested
@PG-ICED-1	Container, dissolved -iced	Unpreserved (checked by pH strip)
@PG-ICED-2	Container, dissolved -iced 2nd rep	Unpreserved (checked by pH strip)
@PG-SO4-1	Container -sulfuric pres.	Preserved < pH 2 (checked by pH strip)

**Data Quality Flag Description**

- D = Analyzed at a Higher Dilution
- J = Estimated Value
- U = Analyte Not Detected
- X = See Case Narrative
- Z = Sample Preserved by Freezing

**Case Narrative**

Ortho-P is frozen  
 Acidity (1000) not determined. Sample has a pH greater than the method endpoint.

This report has been prepared and reviewed by personnel within the Environmental Services Branch (ESB) and has been approved for release.

*Original report is on file at ESB*

Michael Goss, Branch Manager

Report Format: DESFinal