

Trace Analytical Laboratories, Inc.  
2241 Black Creek Road  
Muskegon, MI 49444-2673



231-773-5998 Phone  
888-979-4469 Fax  
www.trace-labs.com

February 14, 2024

Mr. Michael Eslick  
Public Health Muskegon County  
209 E. Apple Avenue  
Muskegon, MI 49442

Phone: (231) 724-1253

Fax: (231) 724-1251

RE: Trace Project 24B0566  
Client Project South Lake - Dune Harbor Park

Dear Mr. Eslick:

Enclosed are your analytical results. The results of this report relate only to the samples listed in the body of this report.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.

For clients that require NELAP Accreditation, Trace certifies that these test results meet all requirements of the NELAP Standard, except for those analytes with a "N" notation. These analytes have not been evaluated by NELAP at Trace's discretion and will not be reported unless requested by client.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at dhilleary@trace-labs.com.

Sincerely,

A handwritten signature in black ink that reads "Drew Hilleary".

Drew Hilleary  
Project Manager  
Enclosures



NJDEP Accreditation No. MI008

**STATE OF MICHIGAN LABORATORY ID: 8001**

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### SAMPLE SUMMARY

Trace Project ID: 24B0566  
Client Project ID: South Lake - Dune Harbor Park

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
24B0566-01	Sample	Surface Water	ME	02/09/24 14:20	02/09/24 14:37

### CERTIFICATE OF ANALYSIS

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## AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

### DEFINITIONS

MS	Matrix Spike
RPD	Relative Percent Difference
DUP	Matrix Duplicate
RDL	Reporting Detection Limit
MCL	Maximum Contamination Limits as set by the Federal Safe Drinking Water Act
Not Detected	Indicates that the compound was not detected at the RDL
TNTC	Too Numerous To Count

**Results that are reported in bold or red have equalled or exceeded the MCL.**

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**ANALYTICAL RESULTS**

Sample Location: South Lake - Dune Harbor Park

Trace ID: 24B0566-01 Date Collected: 02/09/24 14:20  
 Sample Point Description: Sample Date Received: 02/09/24 14:37

PARAMETERS	RESULTS	RDL	UNITS	PREPARED	BY	ANALYZED	BY	NOTES	MCL
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**METALS, TOTAL**

Analysis Method: EPA 200.7 Rev. 4.4

Batch: T147101

Calcium	34	1.0	mg/L	2/12/24 8:39	fs	2/13/24 11:51	jma		No MCL
Iron	Not Detected	0.20	mg/L	2/12/24 8:39	fs	2/13/24 11:51	jma		No MCL
Magnesium	11	1.0	mg/L	2/12/24 8:39	fs	2/13/24 11:51	jma		No MCL
Manganese	Not Detected	0.020	mg/L	2/12/24 8:39	fs	2/13/24 11:51	jma		No MCL
Sodium	25	1.0	mg/L	2/12/24 8:39	fs	2/13/24 11:51	jma		No MCL

Analysis Method: EPA 200.8 Rev. 5.4

Batch: T147101

Arsenic	Not Detected	0.0022	mg/L	2/12/24 8:39	ckd	2/13/24 11:53	dminth-r		No MCL
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**METALS, TOTAL**

Analysis Method: Calculation

Batch: [CALC]

Hardness as CaCO3	130	2.6	mg/L	2/12/24 8:39		2/13/24 11:51	jma	N	No MCL
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**WET CHEMISTRY**

Analysis Method: EPA 300.0 Rev. 2.1

Batch: T147079

Fluoride	0.25	0.10	mg/L	2/9/24 15:02	aeo	2/10/24 3:23	aeo	N	No MCL
Chloride	39	10	mg/L	2/9/24 15:02	aeo	2/10/24 3:23	aeo		No MCL
Nitrate as N	0.28	0.10	mg/L	2/9/24 15:02	aeo	2/10/24 3:23	aeo		No MCL
Nitrite as N	Not Detected	0.10	mg/L	2/9/24 15:02	aeo	2/10/24 3:23	aeo		No MCL
Sulfate as SO4	14	3.0	mg/L	2/9/24 15:02	aeo	2/10/24 3:23	aeo		No MCL

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