



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

14 December 2021

Work Order: 2112066

Price: \$260.00

Dan Hamel
EGLE-RRD-JACKSON
301 E. Louis Glick Highway
Jackson, MI 49201-1556
RE: GELMAN SCIENCES, INC

This is the official environmental laboratory report for testing conducted by the Michigan Department of Environment, Great Lakes, and Energy. Analyses performed by the laboratory were conducted using methods published by the U.S. Environmental Protection Agency, Standard Methods for the Examination of Water and Wastewater, ASTM, or other published or approved reference methods.

Kirby Shane
Laboratory Director



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Jackson MI, 49201-1556

Project: GELMAN SCIENCES, INC
Site Code: 81000018
Project Manager: Dan Hamel

Reported:
12/14/2021

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Qualifier
West Park Pond	2112066-01	Water	12/03/2021	12/06/2021	
Third Sister Lake	2112066-02	Water	12/03/2021	12/06/2021	

Notes and Definitions

ND Indicates compound analyzed for but not detected at or above the reporting limit (RL).
RL Reporting Limit
NA Not Applicable



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Client ID: West Park Pond

Lab ID: 2112066-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Dioxane									
123-91-1	1,4-dioxane	1.1	1.0	ug/L	1	12/07/21	B1L0819	8260 Modified	



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Client ID: Third Sister Lake

Lab ID: 2112066-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Dioxane									
123-91-1	1,4-dioxane	9.6	1.0	ug/L	1	12/07/21	B1L0819	8260 Modified	



Analysis Request Sheet

Lab Work Order Number

Project Name

Matrix

2112066

Gelman Sciences

WATER

Location ID
81000018/Location 6130

Dept-Division-District
EGLE-RRD-Jackson

State Project Manager
Dan Hamel

State Project Manager Email
hameld@michigan.gov

State Project Manager Phone
(517) 745-6595

Program
Activity
Funding Source
Location Code
6130
SUD Location Code

CC Email 1
CC Email 2
CC Email 3
Overflow Lab Choice 1
Overflow Lab Choice 2

Project TAT Days
Project Due Date
Accept Analysis hold time codes

Sample Collector
Chris Svoboda

Sample Collector Phone
(517) 256-2849

Contract Firm
Contract Firm Primary Contact
Primary Contact Phone

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Bottle Count	Comments
01	West Park Pond	12/3/21	10:39	2	
02	Third Sister Lake	12/3/21	10:05	2	

ORGANIC CHEMISTRY	MAD - DISSOLVED METALS	MA - TOTAL METALS	GENERAL CHEMISTRY
VOA - Volatile Organic Acidic	Diss - Silver - Ag	Silver - Ag	GB Total Cyanide - CN
Volatiles - Full List	Diss - Aluminum - Al	Aluminum - Al	GCN Available Cyanide - CN
BTEX/MTBE/TMB only	Diss - Arsenic - As	Arsenic - As	(Amenable / Weak Acid Dissociable)
Chlorinated only	Diss - Boron - B	Boron - B	CA Chlorophyll
GRO	Diss - Barium - Ba	Barium - Ba	GN Ortho Phosphate - OP
1,4 Dioxane	Diss - Beryllium - Be	Beryllium - Be	GN Diss Ortho Phosphate - *FF
METH - Methane, Ethane, Ethene	Diss - Cadmium - Cd	Cadmium - Cd	GN Nitrite - NO ₂
Methane, Ethane, Ethene	Diss - Cobalt - Co	Cobalt - Co	GN Nitrate - NO ₃ (Calc.)
ON - Pesticides, PCBs	Diss - Chromium - Cr	Chromium - Cr	GN Suspended Solids - SS
Pesticides & PCBs	Diss - Copper - Cu	Copper - Cu	GN Dissolved Solids - TDS
Pesticides only	Diss - Iron - Fe	Iron - Fe	MN Diss Solids - TDS (Calc.)
PCBs only	Diss - Mercury - Hg	Mercury - Hg	GN Turbidity
Toxaphene	Diss - Lithium - Li	Lithium - Li	MN Total Alkalinity
Chlordane	Diss - Manganese - Mn	Manganese - Mn	MN Bcarb/Carb Alkalinity
BNA - Base Neutral Acids	Diss - Molybdenum - Mo	Molybdenum - Mo	(includes Total Alkalinity)
BNAs	Diss - Nickel - Ni	Nickel - Ni	MN Chloride - Cl
Benzidines	Diss - Lead - Pb	Lead - Pb	MN Fluoride - F
PNAs only	Diss - Antimony - Sb	Antimony - Sb	MN Sulfate - SO ₄
BNs only	Diss - Selenium - Se	Selenium - Se	MN Diss Chromium 6 - *FF
Acids only	Diss - Strontium - Sr	Strontium - Sr	MN Conductivity
Organic Specialty Requests	Diss - Titanium - Ti	Titanium - Ti	MN pH
Library search - Volatiles	Diss - Thallium - Tl	Thallium - Tl	GA Chem Oxyg Dem - COD
Library search - SemiVols	Diss - Uranium - U	Uranium - U	GA Diss Org Carbon - DOC *FF
Finger Print	Diss - Vanadium - V	Vanadium - V	GN Diss Org Carbon - DOC (LF)
DRO / ORO	Diss - Zinc - Zn	Zinc - Zn	(Lab - Filtered & Preserved)
METALS CHEMISTRY PACKAGES	Diss - Calcium - Ca	Calcium - Ca	GA Total Org Carbon - TOC
OpMemo2 - Total	Diss - Potassium - K	Potassium - K	GA Ammonia - NH ₃
OpMemo2 - Dissolved	Diss - Magnesium - Mg	Magnesium - Mg	GA Nitrate+Nitrite - NO ₃ +NO ₂
(Sb, As, Ba, Be, Cd, Cr, Cu, Co, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Tl, V, Zn)	Diss - Sodium - Na	Sodium - Na	GA Kjeldahl Nitrogen - KN
Michigan10 - Total	Diss - Hardness - Ca, Mg	Hardness - Ca, Mg	GA Total Phosphorus - TP
Michigan10 - Dissolved	MD - Metals Dissolved	LHG - Low Level Mercury	
(As, Ba, Cd, Cr, Cu, Pb, Hg, Se, Ag, Zn)	Lab Filtration	Mercury Low Level - Hg	

Justody	Relinquished by	Received By	Date / Time
	Print Name & Org Signature Print Name	Signature	
	Chris Svoboda EGLE RRD Jackson	Lobby	12/3/21 1:43 PM
	Lobby	Melissa Smith	12/6/21 1124