

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

24 January 2018 Work Order: 1712230

Price: \$260.00

Dan Hamel MDEQ-RRD-JACKSON 301 E. Louis Glick Highway Jackson, MI 49201-1556

RE: GELMAN SCIENCES, INC

I certify that the analyses performed by the MDEQ Environmental Laboratory were conducted by methods approved by the U.S. Environmental Protection Agency and other appropriate regulatory agencies.

Sincerely,

Kirby Shane Laboratory Director



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MDEQ-RRD-JACKSON Project: GELMAN SCIENCES, INC

301 E. Louis Glick Highway Site Code: 81000018 Reported:
Jackson MI, 49201-1556 Project Manager: Dan Hamel 01/24/2018

#### **Analytical Report for Samples**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received Qualifier
MW-112S	1712230-01	Water	12/19/2017	12/21/2017
MW-112i	1712230-02	Water	12/19/2017	12/21/2017

#### **Notes and Definitions**

Y28 1,4-dioxane analysis is performed using selective ion monitoring (SIM). Results reported below 5 ug/L (aqueous) or 1000 ug/Kg

(solids) are estimated.

ND Indicates compound analyzed for but not detected

RL Reporting Limit
NA Not Applicable



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Client ID: MW-112S Lab ID: 1712230-01

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Diox	kane								
123-91-1	1,4-dioxane	ND	1.0	ug/L	1	12/28/17	B8A0211	8260 Modified	Y28



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Client ID: MW-112i Lab ID: 1712230-02

CAS#	Analyte	Result	Analyzed Result RL Units Dilution Date QC Batch Method Q						
Organics-Diox	ane								
123-91-1	1,4-dioxane	10	1.0	ug/L	1	12/28/17	B8A0211	8260 Modified	



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#### **Organics-Dioxane - Quality Control**

				g :1			A/DEG		DDD		
				Spike	Source		%REC		RPD		
Analyte	Result	RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qualifier
<b>Batch B8A0211 - Method: 5030</b>				Prepare	d: 12/28/20	17					
Blank (B8A0211-BLK1)											
1,4-dioxane	ND	1.0	ug/L							12/28/2017	
LCS (B8A0211-BS1)											
1,4-dioxane	10.2	1.0	ug/L	10.00		102	70-130			12/28/2017	
Matrix Spike (B8A0211-MS1)	Source	e: 1712230	-01								
1,4-dioxane	9.90	1.0	ug/L	10.00	ND	99.0	70-130			12/28/2017	
Matrix Spike Dup (B8A0211-MSD1)	Source	e: 1712230	-01								
1,4-dioxane	9.50	1.0	ug/L	10.00	ND	95.0	70-130	4.12	30	12/28/2017	



Michigan Department of Environmental Quality Laboratory Services Section

### **Analysis Request Sheet**

Lab Work Order Number Project N	WATER			
Site Code/Project Number  81000018  Dept-Division-District  DEQ-RRD-Jackson  State Project Manager  Dan Hame!  State Project Manager Email  hame!d@michigan.gov  State Project Manager Phone  {517}745-6595	AY	.1	Project TAT Days  Project Due Date  Accept Analysis hold time codes	Sample Collector  J. A. J.
tab Use Only Field Sample Identification    1	S i	Collection Time 12/0/17 144 12/0/17 1302	Container Comments  3 Please include Q	A/QC with Lab Data Report(s)
5 6 7 8				
ORGANIC CHEMISTRY  VOA- Volatile Organic Acidic  Volatiles - Full List	10 Diss - Aluminum - Al	6 7 8 9 10	1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GENERAL CHEMISTRY  GB Total Cyanide - CN 1 2 3 4 5 6 7 8 9 10 (Amenable Cyanide - CN 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chlorophyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 1 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Acid Dissociable)  CA Chemodyll 2 2 3 4 5 6 7 8 9 10 (Amenable Weak Aci
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