

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

14 August 2019 Work Order: 1908073

Price: \$650.00

Dan Hamel MDEQ-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. Environment and Company of the Examination of Water and Wastewater, ASTM, or other published distribution of the Examination of Water and Wastewater, ASTM, or other published distribution of the Examination of Water and Wastewater, ASTM, or other published distribution of the Examination of the Examination of Water and Wastewater, ASTM, or other published distribution of the Examination of the Examination

Kirby Shane Laboratory Director



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MDEQ-RRD-JACKSON Project: GELMAN SCIENCES, INC

 301 E. Louis Glick Highway
 Site Code: 81000018/6130
 Reported: 08/14/2019

 Jackson MI, 49201-1556
 Project Manager: Dan Hamel
 08/14/2019

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received Qualifier
HC/HR	1908073-01	Water	08/07/2019	08/08/2019
Unnamed Tributary-Park	1908073-02	Water	08/07/2019	08/08/2019
Honey Creek-Dexter	1908073-03	Water	08/07/2019	08/08/2019
Honey Creek-W Huron Dr.	1908073-04	Water	08/07/2019	08/08/2019
Huron River-N Maple Rd Bridge	1908073-05	Water	08/07/2019	08/08/2019

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 at or above the reporting limit (RL).

RL Reporting Limit
NA Not Applicable



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Client ID: HC/HR Lab ID: 1908073-01

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Dio	oxane								See note Y28
123-91-1	1,4-dioxane	ND	1.0	ug/L	1	08/12/19	B9H1313	8260 Modified	



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Client ID: Unnamed Tributary-Park
Lab ID: 1908073-02

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Diox	ane								See note Y28
123-91-1	1,4-dioxane	4.1	1.0	ug/L	1	08/12/19	B9H1313	8260 Modified	



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Client ID: Honey Creek-Dexter Lab ID: 1908073-03

CAS#	Analyte	Result	Analyzed Result RL Units Dilution Date QC Batch Method							
Organics-Dio	xane								See note Y28	
123-91-1	1,4-dioxane	1.5	1.0	ug/L	1	08/12/19	B9H1313	8260 Modified		



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Client ID: Honey Creek-W Huron Dr. Lab ID: 1908073-04

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Diox	ane								See note Y28
123-91-1	1,4-dioxane	1.2	1.0	ug/L	1	08/12/19	B9H1313	8260 Modified	



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Client ID: Huron River-N Maple Rd Bridge

Lab ID: 1908073-05

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Dio	xane								See note Y28
123-91-1	1,4-dioxane	ND	1.0	ug/L	1	08/12/19	B9H1313	8260 Modified	



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Organics-Dioxane - Quality Control

	-			Spike	Source		%REC		RPD		0.117
Analyte	Result	RL	Units	Level	Result	%REC	Limits	RPD	Limit	Analyzed	Qualifier
Batch B9H1313 - Method: 5030)			Prepare	d: 08/12/20)19					
Blank (B9H1313-BLK1)											
1,4-dioxane	ND	1.0	ug/L							08/12/2019	
LCS (B9H1313-BS1)											
1,4-dioxane	10.4	1.0	ug/L	10.00		104	70-130			08/12/2019	
Matrix Spike (B9H1313-MS1)	Source	: 1908072	2-01								
1,4-dioxane	10.3	1.0	ug/L	10.00	ND	103	70-130			08/12/2019	
Matrix Spike Dup (B9H1313-MSD1)	Source	: 1908072	2-01								
1,4-dioxane	10.4	1.0	ug/L	10.00	ND	104	70-130	1.16	30	08/12/2019	



Michigan Department of Environmental Quality Laboratory Services Section

Analysis Request Sheet

Lab Work Ord	er Number Project N	arne		<i>J</i>					Matrix (-/\)	
19	08073		Ge	lman So	ciences	5		WATER N		
Site Code/Pro 810000 Dept-Division	18/Location 6130	19	CC Email 1 lundk@mic CC Email 2	higan.gov			Project TAT Days Project Due Date	Dan	Collector Hamel Collector Phone	
EGLE-RI	RD-Jackson						1 Toject Dae Date	7 F	·745-6595	
State Project !		PCA	CC Email 3]	Contrac	t Firm	
Dan Ha	mel Manager Email	Project	Overflow Lab Choice				Accept Analysis hold time codes	Contra	A Files Online Contact	
hameld	hameld@michigan.gov Location-6130						noid time codes		t Firm Primary Contact	
(517)74		Phase	Overflow Lab Choice	2				Primary	Contact Phone	
Lab t	•			Collection Date	Collection Time	Container	omments			
1 0	HC/HR			8/7/2019	1412	affine T		/QC with	n Lab Data Report(s)	
2 0	Unnamed Tributary - I	Park		8/7/2019	1534	9			<u> </u>	
3	Unnamed Tributary ~ J	Jackson 🔣 🤇	SAMP	€8/7/2019	100	AME	YE /			
4 6	Honey Creek - Dexter		**************************************	8/7/2019	1220					
5	Little Lake	a camp	(E.	8/7/2019	100	AM	6			
6 0	Honey Creek - W Hurd	on Dr.		8/7/2019	1,440	7				
7 oS	Huron River - N Maple	Rd Bridge		8/7/2019	14m	7			V	
8						\$permay	\		, Y	
9										
10										
Volatiles - Fi BTEX/MTBE, BTEX/MTBE, GRO 1,4 Dioxane METH - Met Methane, El ON - Pesticides & Pesticides on PCBs only Toxaphene Chlordane BNA - Base I BNAs Benzidines PNAs only Acids only Organic Spe Library searc Library searc Finger Print DRO / ORO ME OpMemo2 - OpMemo1 - OpMemo1 - OpMemo1 - OpMemo1 - OpMemo2 - OpMemo2 - OpMemo2 - OpMemo1 - OpMemo2 - OpMemo2 - OpMemo2 - OpMemo2 - OpMemo3 - Op	TMB only	10 Diss - Arsenic - As 10 Diss - Boron - B 10 Diss - Barium - Ba 10 Diss - Barylkium - 1 10 Diss - Cadmium - 0 10 Diss - Chromium - 1 10 Diss - Chromium - 1 10 Diss - Chromium - 1 10 Diss - Mercury - H 10 Diss - Mickel - Ni 10 Diss - Mickel - Ni 10 Diss - Mickel - Ni 10 Diss - Stronkium - 1 10 Diss - Cafcium - Ca 10 Diss - Cafcium - Ca 10 Diss - Cafcium - Ca 10 Diss - Stronkium - 1 10 Diss - Cafcium - Ca 10 Diss - Stronkium - 1 10 Diss - Cafcium - Ca 10 Diss - Stronkium - 1	1 2 3 4 5 1 2 3 4 5 6 6 1 2 3 4 5 6 6 1 2 3 4 5 6 6 6 1 2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	6 7 8 9 10 A 6 7 8 9 10 B 6 7 8 9 10 B 6 7 8 9 10 B 6 7 8 9 10 C 6 7 8 9 10 L 6 7 8 9 10 S 6 7 8 9 10 C 6 7 8 9 10 C 6 7 8 9 10 S	silver - Ag Aluminum - Al Aussenic - As Boron - B Barium - Ba Berrillium - Be Gadmium - Cd Cobalt - Co Chromium - Cr Copper - Cu Fon - Fe Bercury - Hg Ithium - U Annganese - Mn Aolybdenum - Mo Ickel - Ni ead - Pb Intimony - Sb elenium - Se trontium - U Iranium - W Irandium - W Iranium - W Irandium - Ca Irandium - Ca Irandium - Ca Irandium - Mg Irandium - Na Irandium - Mg Irandium - Na Irandium - Na Irandium - Na Irandium - Na Irandium - Ca Irandium - Ca Irandium - Mg Irandium - Na Irandium - Ca	1 2 3 1 2 3	4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 4 5 6 7 8 9 10 MM 4 5 6 7 8 9 10 GM	Chlorophyll Chlorophyll Ortho Phos Nitrate - NO Suspended Dissolved Si Diss Solids - Turbidity Total Alkalii N Bicarb/Cach (includes T Chloride - C Fluoride - F Chloride - F Conductivity H Chem Oxyg Diss Org Cai (Field - Filter Diss Org Cai (Lab - Filter Total Org Cai (Lab - Filter Total Org Cai (Lab - Filter Total Org Cai (Lab - Filter Total Org Cai (Lab - Filter Total Org Cai (Lab - Filter Total Org Cai (Lab - Filter	yanide - CN	
	Name	FSE-	RRB	Received B	v el:159 Q Q	5~	140.		Date / Time	
Signat Print f & Org Signat	Name									

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