

4/9/2020

KMI Zeolite Inc.
5390 E. Nye County Rd. #266
Amargosa Valley, NV 89020
Attn: Justin Mitchell

OrderID: 20030780

Dear: Justin Mitchell

This is to transmit the attached analytical report. The analytical data and information contained therein was generated using specified or selected methods contained in references, such as Standard Methods for the Examination of Water and Wastewater, online edition, Methods for Determination of Organic Compounds in Drinking Water, EPA-600/4-79-020, and Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW846) Third Edition.

The samples were received by WETLAB-Western Environmental Testing Laboratory in good condition on 3/26/2020. Additional comments are located on page 2 of this report.

If you should have any questions or comments regarding this report, please do not hesitate to call.

Sincerely,



Jennifer Delaney
QA Manager

SPARKS

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LAS VEGAS

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tel (702) 475-8899
fax (702) 622-2868
EPA LAB ID: NV00932

Western Environmental Testing Laboratory

Report Comments

KMI Zeolite Inc. - 20030780

Specific Report Comments

None

Report Legend

B	-- Blank contamination; Analyte detected above the method reporting limit in an associated blank
D	-- Due to the sample matrix dilution was required in order to properly detect and report the analyte. The reporting limit has been adjusted accordingly.
HT	-- Sample analyzed beyond the accepted holding time
J	-- The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. The reported result should be considered an estimate.
K	-- The TPH Diesel Concentration reported here likely includes some heavier TPH Oil hydrocarbons reported in the TPH Diesel range as per EPA 8015.
L	-- The TPH Oil Concentration reported here likely includes some lighter TPH Diesel hydrocarbons reported in the TPH Oil range as per EPA 8015.
M	-- The matrix spike/matrix spike duplicate (MS/MSD) values for the analysis of this parameter were outside acceptance criteria due to probable matrix interference. The reported result should be considered an estimate.
N	-- There was insufficient sample available to perform a spike and/or duplicate on this analytical batch.
NC	-- Not calculated due to matrix interference
QD	-- The sample duplicate or matrix spike duplicate analysis demonstrated sample imprecision. The reported result should be considered an estimate.
QL	-- The result for the laboratory control sample (LCS) was outside WETLAB acceptance criteria and reanalysis was not possible. The reported data should be considered an estimate.
S	-- Surrogate recovery was outside of laboratory acceptance limits due to matrix interference. The associated blank and LCS surrogate recovery was within acceptance limits
SC	-- Spike recovery not calculated. Sample concentration >4X the spike amount; therefore, the spike could not be adequately recovered
U	-- The analyte was analyzed for, but was not detected above the level of the reported sample reporting/quantitation limit. The reported result should be considered an estimate.

General Lab Comments

Per method recommendation (section 4.4), Samples analyzed by methods EPA 300.0 and EPA 300.1 have been filtered prior to analysis.

The following is an interpretation of the results from EPA method 9223B:

A result of zero (0) indicates absence for both coliform and Escherichia coli meaning the water meets the microbiological requirements of the U.S. EPA Safe Drinking Water Act (SDWA). A result of one (1) for either test indicates presence and the water does not meet the SDWA requirements. Waters with positive tests should be disinfected by a certified water treatment operator and retested.

Per federal regulation the holding time for the following parameters in aqueous/water samples is 15 minutes: Residual Chlorine, pH, Dissolved Oxygen, Sulfite.

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Analytical Report

KMI Zeolite Inc.

5390 E. Nye County Rd. #266

Amargosa Valley, NV 89020

Attn: Justin Mitchell

Phone: (209) 553-0543 Fax: NoFax

PO\Project: Lead testing 20ppm

Date Printed: 4/9/2020

OrderID: 20030780

Customer Sample ID: Blank/Raw

Collect Date/Time: 3/26/2020

WETLAB Sample ID: 20030780-001

Receive Date: 3/26/2020 14:30

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID	
<u>General Chemistry</u>								
pH	SM 4500-H+ B	4.98	HT	pH Units	1	3/26/2020	NV00925	
Temperature at pH	SM 2550B	21		°C	1	3/26/2020	NV00925	
<u>Trace Metals by ICP-MS</u>								
Lead	EPA 200.8	19		mg/L	100	0.25	4/1/2020	NV00925
<u>Sample Preparation</u>								
Trace Metals Digestion	EPA 200.2	W200331-3A			1	3/31/2020	NV00925	
Sample Filtration (Metals)	N/A	Complete			1	3/26/2020	NV00925	

Customer Sample ID: 14X30 AP (100g) 30 sec

Collect Date/Time: 3/26/2020

WETLAB Sample ID: 20030780-002

Receive Date: 3/26/2020 14:30

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID	
<u>General Chemistry</u>								
pH	SM 4500-H+ B	7.02	HT	pH Units	1	3/26/2020	NV00925	
Temperature at pH	SM 2550B	21		°C	1	3/26/2020	NV00925	
<u>Trace Metals by ICP-MS</u>								
Lead	EPA 200.8	1.7		mg/L	100	0.25	4/1/2020	NV00925
<u>Sample Preparation</u>								
Trace Metals Digestion	EPA 200.2	W200331-3A			1	3/31/2020	NV00925	
Sample Filtration (Metals)	N/A	Complete			1	3/26/2020	NV00925	

Customer Sample ID: 14X30 AP (100g) 1 min

Collect Date/Time: 3/26/2020

WETLAB Sample ID: 20030780-003

Receive Date: 3/26/2020 14:30

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID	
<u>General Chemistry</u>								
pH	SM 4500-H+ B	7.28	HT	pH Units	1	3/26/2020	NV00925	
Temperature at pH	SM 2550B	21		°C	1	3/26/2020	NV00925	
<u>Trace Metals by ICP-MS</u>								
Lead	EPA 200.8	1.5		mg/L	10	0.025	4/1/2020	NV00925

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

Page 3 of 6

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Customer Sample ID: 14X30 AP (100g) 1 min

Collect Date/Time: 3/26/2020

WETLAB Sample ID: 20030780-003

Receive Date: 3/26/2020 14:30

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
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Sample Preparation

Trace Metals Digestion	EPA 200.2	W200331-3A		1		3/31/2020	NV00925
Sample Filtration (Metals)	N/A	Complete		1		3/26/2020	NV00925

Customer Sample ID: 14X30 AP (100g) 5 min

Collect Date/Time: 3/26/2020

WETLAB Sample ID: 20030780-004

Receive Date: 3/26/2020 14:30

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
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General Chemistry

pH	SM 4500-H+ B	7.48	HT	pH Units	1	3/26/2020	NV00925
Temperature at pH	SM 2550B	23		°C	1	3/26/2020	NV00925

Trace Metals by ICP-MS

Lead	EPA 200.8	1.5		mg/L	10	0.025	4/1/2020	NV00925
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Sample Preparation

Trace Metals Digestion	EPA 200.2	W200331-3A		1		3/31/2020	NV00925
Sample Filtration (Metals)	N/A	Complete		1		3/26/2020	NV00925

Customer Sample ID: 14X30 AP (100g) 10 min

Collect Date/Time: 3/26/2020

WETLAB Sample ID: 20030780-005

Receive Date: 3/26/2020 14:30

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
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General Chemistry

pH	SM 4500-H+ B	8.54	HT	pH Units	1	3/26/2020	NV00925
Temperature at pH	SM 2550B	23		°C	1	3/26/2020	NV00925

Trace Metals by ICP-MS

Lead	EPA 200.8	1.1		mg/L	10	0.025	4/1/2020	NV00925
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Sample Preparation

Trace Metals Digestion	EPA 200.2	W200331-3A		1		3/31/2020	NV00925
Sample Filtration (Metals)	N/A	Complete		1		3/26/2020	NV00925

Customer Sample ID: 14X30 AP (100g) 30 min

Collect Date/Time: 3/26/2020

WETLAB Sample ID: 20030780-006

Receive Date: 3/26/2020 14:30

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
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General Chemistry

pH	SM 4500-H+ B	9.24	HT	pH Units	1	3/26/2020	NV00925
Temperature at pH	SM 2550B	23		°C	1	3/26/2020	NV00925

Trace Metals by ICP-MS

Lead	EPA 200.8	0.42		mg/L	10	0.025	4/1/2020	NV00925
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Sample Preparation

Trace Metals Digestion	EPA 200.2	W200331-3A		1		3/31/2020	NV00925
Sample Filtration (Metals)	N/A	Complete		1		3/26/2020	NV00925

DF=Dilution Factor, RL = Reporting Limit (minimum 3X the MDL), ND = Not Detected <RL or <MDL (if listed)

Page 4 of 6

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Customer Sample ID: 14X30 AP (100g) 60 min

Collect Date/Time: 3/26/2020

WETLAB Sample ID: 20030780-007

Receive Date: 3/26/2020 14:30

Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
<u>General Chemistry</u>							
pH	SM 4500-H+ B	9.19	HT pH Units	1		3/26/2020	NV00925
Temperature at pH	SM 2550B	21	°C	1		3/26/2020	NV00925
<u>Trace Metals by ICP-MS</u>							
Lead	EPA 200.8	0.48	mg/L	10	0.025	4/1/2020	NV00925
<u>Sample Preparation</u>							
Trace Metals Digestion	EPA 200.2	W200331-3A		1		3/31/2020	NV00925
Sample Filtration (Metals)	N/A	Complete		1		3/26/2020	NV00925

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Western Environmental Testing Laboratory QC Report

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC20040077	Blank 1	Lead, Dissolved	EPA 200.8	ND			mg/L

QCBatchID	QCType	Parameter	Method	Result	Actual	% Rec	Units
QC20031072	LCS 1	pH	SM 4500-H+ B	6.92	7.00	99	pH Units
QC20040077	LCS 1	Lead, Dissolved	EPA 200.8	0.0096	0.010	96	mg/L

QCBatchID	QCType	Parameter	Method	Duplicate Sample	Sample Result	Duplicate Result	Units	RPD
QC20031072	Duplicate 1	pH	SM 4500-H+ B	20030780-007	9.19	9.25	HT	pH Units 1 %

QCBatchID	QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS %Rec	MSD %Rec	RPD %
QC20040077	MS 1	Lead, Dissolved	EPA 200.8	20030823-001	ND	0.0096	0.0096	0.01	mg/L	89	89	<1

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WETLAB

WESTERN ENVIRONMENTAL
TESTING LABORATORY

Specializing in Soil, Hazardous Waste and Water Analysis.

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WETLAB Order ID. 20030780
Sparks _____
Elko _____
LV _____
Report _____
Due Date _____
Page _____ of _____

Client KMI Zeolite		Turnaround Time Requirements	
Address _____		Standard <u>XXXXXX</u>	
City, State & Zip _____		5 Day* (25%) _____ 72 Hour* (50%) _____	
Contact _____		48 Hour* (100%) _____ 24 Hour* (200%) _____	
Phone _____		*Surcharges Will Apply	
Collector's Name WETLAB		Samples Collected From Which State?	
Fax _____		NV <input checked="" type="checkbox"/> CA <input type="checkbox"/> Other <input type="checkbox"/>	
P.O. Number _____		Compliance Monitoring?	
PWS Number _____		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
		Report to Regulatory Agency?	
		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
		Standard QC Required?	
		Yes <input type="checkbox"/> No <input type="checkbox"/>	

Email justin@kmizeolite.com		Analyses Requested	
Billing Address (if different than Client Address)			
Company _____			
Address _____			
City, State & Zip _____			
Contact _____			
Phone _____ Fax _____			
Email _____			

SAMPLE ID/LOCATION	DATE	TIME	PRES TYPE *	NO. OF CONTAINERS	pH	Pb by 200.8	200.2 digestion	Filtration									Spl. No.
Blank/Raw	3/26/20			2	X	X	X	X									1
14X30 AP (100g) 30 sec.				2	X	X	X	X									2
14X30 AP (100g) 1 min.				2	X	X	X	X									3
14X30 AP (100g) 5 min.				2	X	X	X	X									4
14X30 AP (100g) 10 min.				2	X	X	X	X									5
14X30 AP (100g) 30 min.				2	X	X	X	X									6
14X30 AP (100g) 60 min.				2	X	X	X	X									7

Instructions/Comments/Special Requirements: in-house sampling

Sample Matrix Key** DW = Drinking Water WW = Wastewater SW = Surface Water MW = Monitoring Well SD = Solid/Sludge SO = Soil HW = Hazardous Waste OTHER: _____

*SAMPLE PRESERVATIVES: 1=Unpreserved 2=H2SO4 3=NaOH 4=HCl 5=HNO3 6=Na2S2O3 7=ZnOAc+NaOH 8=NH4Cl 9=H3PO4

Temp	On Ice	Custody Seal	DATE	TIME	Samples Relinquished By	Samples Received By
25 °C	Y / (N)	Y / (N)	3/26/20	1430	<i>[Signature]</i>	<i>[Signature]</i>
°C	Y / N	Y / N				
°C	Y / N	Y / N				
°C	Y / N	Y / N				

WETLAB'S Standard Terms and Conditions apply unless written agreements specify otherwise. Payment terms are Net 30.

Client/Collector attests to the validity and authenticity of this (these) sample(s) and, is (are) aware that tampering with or intentionally mislabeling the sample(s) location, date or time of collection may be considered fraud and subject to legal action (NAC445.0636). _____ initial
To the maximum extent permitted by law, the Client agrees to limit the liability of WETLAB for the Client's damages to the total compensation received, unless other agreements are made in writing. This limitation shall apply regardless of the cause of action or legal theory pled or asserted. _____ initial
WETLAB will dispose of samples 90 days from sample receipt. Client may request a longer sample storage time for an additional fee. _____ initial
Please contact your Project Manager for details. _____ initial