

Specializing in Soil, Hazardous Waste and Water Analysis

12/17/2019

KMI Zeolite Inc. 5390 E. Nye County Rd. #266 Amargosa Valley, NV 89020 Attn: Justin Mitchell OrderID: 19120444

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 12/12/2019. 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,

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Andy Smith QA Manager

ELKO 1084 Lamoille Hwy Elko, Nevada 89801 tel (775) 777-9933 fax (775) 777-9933 EPA LAB ID: NV00926 LAS VEGAS 3230 Polaris Ave. Suite 4 Las Vegas, Nevada 89102 tel (702) 475-8899 fax (702) 622-2868 EPA LAB ID: NV00932

Page 1 of 4

KMI Zeolite Inc. - 19120444

Specific Report Comments

None

Report Lege	nd	
В		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.
К		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.
М		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.
Ν		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.
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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.

Western Environmental Testing Laboratory Analytical Report

KMI Zeolite Inc. 5390 E. Nye County R Amargosa Valley, NV Attn: Justin Mitchell Phone: (209) 553-054	89020				Date Print OrderID:	ted: 12/17/2019 19120444	
Customer Sample ID:	NH3 Blank			Collect D	ate/Time:	12/12/2019	
WETLAB Sample ID:	19120444-002			Reco	eive Date:	12/12/2019 15:00	
Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Ammonia, as Nitrogen	SM 4500 NH3 D	2400	mg/L	4000	200	12/13/2019	NV00925
pH	SM 4500-H+ B	5.95 HT	pH Units	1		12/13/2019	NV00925
Temperature at pH	SM 2550B	21	°C	1		12/13/2019	NV00925
Customer Sample ID:	14X30 AP NH3 1 Minute			Collect D	ate/Time:	12/12/2019	
WETLAB Sample ID:	19120444-003			Rece	eive Date:	12/12/2019 15:00	
Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Ammonia, as Nitrogen	SM 4500 NH3 D	2100	mg/L	2000	100	12/13/2019	NV00925
pH	SM 4500-H+ B	6.94 HT	pH Units	1		12/13/2019	NV00925
Temperature at pH	SM 2550B	22	°C	1		12/13/2019	NV00925
Customer Sample ID:	14X30 AP NH3 5 Minute			Collect D	ate/Time:	12/12/2019	
WETLAB Sample ID:	19120444-004			Rece	eive Date:	12/12/2019 15:00	
Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Ammonia, as Nitrogen	SM 4500 NH3 D	1700	mg/L	1000	50	12/13/2019	NV00925
рН	SM 4500-H+ B	7.16 HT	pH Units	1		12/13/2019	NV00925
Temperature at pH	SM 2550B	22	°C	1		12/13/2019	NV00925
Customer Sample ID:	14X30 AP NH3 10 Minute			Collect D	ate/Time:	12/12/2019	
WETLAB Sample ID:	19120444-005			Reco	eive Date:	12/12/2019 15:00	
Analyte	Method	Results	Units	DF	RL	Analyzed	LabID
General Chemistry							
Ammonia, as Nitrogen	SM 4500 NH3 D	1500	mg/L	1000	50	12/13/2019	NV00925
рН	SM 4500-H+ B	7.31 HT	pH Units	1	-	12/13/2019	NV00925
Temperature at pH	SM 2550B	22	°C	1		12/13/2019	NV00925

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

SPARKS 475 E. Greg Street, Suite 119 Sparks, Nevada 89431 tel (775) 355-0202 fax (775) 355-0817 EPA LAB ID: NV00925 - ELAP No: 2523 ELKO 1084 Lamoille Hwy Elko, Nevada 89801 tel (775) 777-9933 fax (775) 777-9933 EPA LAB ID: NV00926 LAS VEGAS 3230 Polaris Ave. Suite 4 Las Vegas, Nevada 89102 tel (702) 475-8899 fax (702) 622-2868 EPA LAB ID: NV00932

Western Environmental Testing Laboratory QC Report

QCBatchID QCType	Parameter	Met	thod	Result	Actual	% Re	c	Units			
QC19120603 Blank	1 Ammonia, as Nitrogen	SM	4500 NH3	ND				mg/L			
QCBatchID QCType	Parameter	Meth	nod	Result	Actual	% Re	c	Units			
QC19120597 LCS 1	pH	SM 4	4500-H+ B	7.01	7.00	100		pH Units			
QC19120603 LCS 1	Ammonia, as Nitrogen	SM 4	4500 NH3 D	0.955	1.00	95		mg/L			
QCBatchID QCType	Parameter	Method		Duplicate Sample	Sample Result	Duplicate Result	9	Units		RPD	
QC19120597 Duplica	ate 1 pH	SM 4500-	-H+ B	19120444-002	5.95	5.95	HT	pH Units	6	<1%	
QCBatchID QCType	Parameter	Method	Spike Sample	Sample Result	MS Result	MSD Result	Spike Value	Units	MS %Rec	MSD %Rec	RPD %
QC19120603 MS 1	Ammonia, as Nitrogen	SM 4500 NH3	19120405-	-001 0.158	1.01	1.02	1	mg/L	85	86	1

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

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Page 4 of 4

WESTERN ENVIRONMENTAL TESTING LABORATORY Specializing in Soil, Hazardous Waste and Water Analy									lysis.								
		reg Street #119 (775) 355-0202			I www.WE	TLaborat	ory.co	m									
a displayed	1084 La	moille Highway I	Elko, Nevada	89801						LV Report							
		(775) 777-9933 aris Ave., Suite 4			02						Due Dat	е					
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City, Sta	te & Zip Am	argosa Valley	, NV 89020	C					48 H	iour* (100	%)	*Surcharg	24 Hour* (es Will Ap	200%) Div			
	Justin Mit									Samples Wh	Collected		I statement		Results V	Via	
	209) 553-		Colleg	tor's Name	1					NV /				_			
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Fax			Projec						Re		egulatory	Agency?	Sta	OtherStandard QC Required?			
P.O. Nur				Number				NO.		Yes No 🗸			Yes ✓ No Requested			<u>, 1 </u>	
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Comme		Address (if diff	erent than C	ment Add	iress)		M	C		distillation)							
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	t Stephanie R.							A	РН	ou)							
Phone	(775) 277-0523		Fax				T Y	N		nia							
Email	stephanie@kmiz	eolite.com					Ρ	E		Ammonia							
	SA	MPLE ID/LOCA	TION	DATE	TIME	PRES TYPE *	E **	RS		Am						Sp No	
	14x30	Amargosa Pla	int	12/5/19	2035		s o	1								1	
	Ν	IH3 Blank		12/12/19		1,2		2	x	x						2	
	14x30 A	P NH3 1 Minu	ute	12/12/19		1,2		2	х	x						3	
	14x30 A	P NH3 5 Minu	tes	12/12/19		1,2		2	x	x						4	
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nstructior	s/Comments	/Special Requireme	ents:														
						General grades											
Sample I	Aatrix Key**	DW = Drinking Water	WW = Wastewate	SW = Surfac	e Water MW	= Monitorin	o Well	SD = S	iolid/Slu	idae SO	= Soil H	N = Hazar	dous Was	te OTH	ER:		
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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. 301.2E Please contact your Project Manager for details. ______ initial