



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/27/2017 12:00:00 AM
Project:	LB88441	Date Received:	6/27/2017 12:00:00 AM
Client Sample ID:	23MC-WC-2(COMP)	SDG No.:	LB88441
Lab Sample ID:	I3952-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.28	U	1	0.59		3	mg/Kg	06/28/2017	06/29/2017	9065



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Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88441

SDG No.: LB88441

Contract: _____ Lab Code: CHEM

Case No.: LB88441

SAS No.: LB88441

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Phenolics	0.95	1	95	0	90 - 110		06/29/2017	15:13	LB88441
CCV2	Phenolics	0.95	1	95	0	90 - 110		06/29/2017	15:13	LB88441



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88441 **SDG No.:** LB88441
Contract: **Lab Code:** CHEM **Case No.:** LB88441 **SAS No.:** LB88441

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0031	+/-0.05	U		0.05		06/29/2017	15:13	LB88441



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88441

SDG No.: LB88441

Contract:

Lab Code: CHEM

Case No.: LB88441

SAS No.: LB88441

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.0014	+/-0.05	U		0.05		06/29/2017	15:13	LB88441
CCB2	Phenolics	-0.97	+/-0.05	U		0.05		06/29/2017	15:13	LB88441



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB88441

SDG No.:

LB88441

Contract:

Lab Code:

CHEM

Case No.:

LB88441

SAS No.:

LB88441

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB88441

SDG No.: LB88441

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB100251BL		SOLID		Batch Number:		PB100251		Prep Date:	06/28/2017	
	Phenolics	0.22	<2.4	U		2.4		06/29/2017	15:13	LB88441



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MATRIX SPIKE SUMMARY

client: LB88441 level: low sdg no.: LB88441
contract: lab code: CHEM case no.: LB88441 sas no.: LB88441
matrix: Solid sample id: I3952-01 client id: 23MC-WC-2(COMP)MS
Percent Solids for Sample: 81.9 Spiked ID: I3952-01MS Percent Solids for Spike Sample: 81.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	59.1		0.59	U	59.9	98.7		



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB88441 level: low sdg no.: LB88441
contract: lab code: CHEM case no.: LB88441 sas no.: LB88441
matrix: Solid sample id: I3952-01 client id: 23MC-WC-2(COMP)MSD
Percent Solids for Sample: 81.9 Spiked ID: I3952-01MSD Percent Solids for Spike Sample: 81.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	58.3		0.59	U	59.3	98.3		

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DUPLICATE SAMPLE SUMMARY

Client: LB88441 **Level:** LOW **SDG No.:** LB88441
Contract: **Lab Code:** CHEM **Case No.:** LB88441 **SAS No.:** LB88441
Matrix: Solid **Sample ID:** I3952-01 **Client ID:** 23MC-WC-2(COMP)DUP
Percent Solids for Sample: 81.9 **Duplicate ID** I3952-01DUP **Percent Solids for Spike Sample:** 81.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.59	U	0.19	U			

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DUPLICATE SAMPLE SUMMARY

Client: <u>LB88441</u>	Level: <u>LOW</u>	SDG No.: <u>LB88441</u>
Contract: <u> </u>	Lab Code: <u>CHEM</u>	Case No.: <u>LB88441</u> SAS No.: <u>LB88441</u>
Matrix: <u>Solid</u>	Sample ID: <u>I3952-01MS</u>	Client ID: <u>23MC-WC-2(COMP)MSD</u>
Percent Solids for Sample: 81.9	Duplicate ID <u>I3952-01MSD</u>	Percent Solids for Spike Sample: 81.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	59.1		58.3		1		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88441

SDG No.: LB88441

Contract:

Lab Code: CHEM

Case No.: LB88441

SAS No.: LB88441

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100251BS Phenolics	mg/Kg	49	46.6		95.1	80 - 120	

Daily Analysis Runlog For Sequence/QC Batch ID # LB88441

Review By		Review On				
SubDirectory		LB88441		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP56044				
ICV Standard		WP56046				
CCV Standard		WP56045				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP56022				
Chk Standard		WP56047,WP53648,WP53649				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	06/29/17 14:38		OK
2	0.1PPM	0.1PPM	CAL2	06/29/17 14:38		OK
3	0.25PPM	0.25PPM	CAL3	06/29/17 14:38		OK
4	0.50PPM	0.50PPM	CAL4	06/29/17 14:38		OK
5	1.0PPM	1.0PPM	CAL5	06/29/17 14:38		OK
6	2.0PPM	2.0PPM	CAL6	06/29/17 14:38		OK
7	ICV1	ICV1	ICV	06/29/17 15:13		OK
8	ICB1	ICB1	ICB	06/29/17 15:13		OK
9	CCV1	CCV1	CCV	06/29/17 15:13		OK
10	CCB1	CCB1	CCB	06/29/17 15:13		OK
11	PB100251BL	PB100251BL	MB	06/29/17 15:13		OK
12	PB100251BS	PB100251BS	LCS	06/29/17 15:13		OK
13	I3952-01	23MC-WC-2(COMP)	SAM	06/29/17 15:13		OK
14	I3952-01DUP	23MC-WC-2(COMP)	DUP	06/29/17 15:13		OK
15	I3952-01MS	23MC-WC-2(COMP)	MS	06/29/17 15:13		OK
16	I3952-01MSD	23MC-WC-2(COMP)	MSD	06/29/17 15:13		OK
17	CCV2	CCV2	CCV	06/29/17 15:13		OK
18	CCB2	CCB2	CCB	06/29/17 15:13		OK