

Daily Analysis Runlog For Sequence/QC Batch ID # LB87302

Review By		Review On				
SubDirectory		LB87302		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP54738				
ICV Standard		WP54740				
CCV Standard		WP54739				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54397				
Chk Standard		WP54741,WP53648,WP53649				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	05/08/17 09:03		OK
2	0.1PPM	0.1PPM	CAL2	05/08/17 09:03		OK
3	0.25PPM	0.25PPM	CAL3	05/08/17 09:03		OK
4	0.50PPM	0.50PPM	CAL4	05/08/17 09:03		OK
5	1.0PPM	1.0PPM	CAL5	05/08/17 09:03		OK
6	2.0PPM	2.0PPM	CAL6	05/08/17 09:03		OK
7	ICV1	ICV1	ICV	05/08/17 09:33		OK
8	ICB1	ICB1	ICB	05/08/17 09:33		OK
9	CCV1	CCV1	CCV	05/08/17 09:33		OK
10	CCB1	CCB1	CCB	05/08/17 09:33		OK
11	PB98752BL	PB98752BL	MB	05/08/17 09:33		OK
12	PB98752BS	PB98752BS	LCS	05/08/17 09:33		OK
13	I2969-01	TP4-5COMP	SAM	05/08/17 09:33		OK
14	I2969-01DUP	TP4-5COMPDUP	DUP	05/08/17 09:33		OK
15	I2969-01MS	TP4-5COMPMS	MS	05/08/17 09:33		OK
16	I2969-01MSD	TP4-5COMPMSD	MSD	05/08/17 09:33		OK
17	I2969-11	TP1-COMP	SAM	05/08/17 09:33		OK
18	CCV2	CCV2	CCV	05/08/17 09:33		OK
19	CCB2	CCB2	CCB	05/08/17 09:37		OK



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Report of Analysis

Client:		Date Collected:	5/1/2017 12:00:00 AM
Project:	LB87302	Date Received:	5/3/2017 12:00:00 AM
Client Sample ID:	TP4-5COMP	SDG No.:	LB87302
Lab Sample ID:	I2969-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.037	U	1	0.53		2.6	mg/Kg	05/05/2017	05/08/2017	9065



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Report of Analysis

Client:		Date Collected:	5/3/2017 12:00:00 AM
Project:	LB87302	Date Received:	5/3/2017 12:00:00 AM
Client Sample ID:	TP1-COMP	SDG No.:	LB87302
Lab Sample ID:	I2969-11	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	-0.049	U	1	0.54		2.7	mg/Kg	05/05/2017	05/08/2017	9065



Report of Analysis

Client:		Date Collected:	5/3/2017 12:00:00 AM
Project:	LB87302	Date Received:	5/3/2017 12:00:00 AM
Client Sample ID:	TP1-COMP	SDG No.:	LB87302
Lab Sample ID:	I2969-11	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB87302

SDG No.: LB87302

Contract: _____ Lab Code: CHEM

Case No.: LB87302

SAS No.: LB87302

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
ICV1	Phenolics	0.99	1	99	0	90 - 110		05/08/2017	09:33	LB87302



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87302

SDG No.: LB87302

Contract: _____ Lab Code: CHEM

Case No.: LB87302

SAS No.: LB87302

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	0.99	1	99	0	90 - 110		05/08/2017	09:33	LB87302
CCV2	Phenolics	0.98	1	98	0	90 - 110		05/08/2017	09:33	LB87302



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87302

SDG No.: LB87302

Contract:

Lab Code: CHEM

Case No.: LB87302

SAS No.: LB87302

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0011	+/-0.05	U		0.05		05/08/2017	09:33	LB87302



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87302

SDG No.: LB87302

Contract:

Lab Code: CHEM

Case No.: LB87302

SAS No.: LB87302

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	-0.0024	+/-0.05	U		0.05		05/08/2017	09:33	LB87302
CCB2	Phenolics	0.0019	+/-0.05	U		0.05		05/08/2017	09:37	LB87302



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87302

SDG No.: LB87302

Contract: Lab Code: CHEM

Case No.: LB87302

SAS No.: LB87302

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: LB87302

SDG No.: LB87302

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
PB98752BL	Phenolics	SOLID 0.044	<2.5	Batch Number: U		PB98752 2.5		Prep Date: 05/08/2017	05/05/2017 09:33	LB87302



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- 5a -
MATRIX SPIKE SUMMARY

client: LB87302 level: low sdg no.: LB87302
contract: lab code: CHEM case no.: LB87302 sas no.: LB87302
matrix: Solid sample id: I2969-01 client id: TP4-5COMPMS
Percent Solids for Sample: 88.2 Spiked ID: I2969-01MS Percent Solids for Spike Sample: 88.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	50.3		0.53	U	54	93.1		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB87302 level: low sdg no.: LB87302
contract: lab code: CHEM case no.: LB87302 sas no.: LB87302
matrix: Solid sample id: I2969-01 client id: TP4-5COMPMSD
Percent Solids for Sample: 88.2 Spiked ID: I2969-01MSD Percent Solids for Spike Sample: 88.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	50.6		0.53	U	54.5	92.8		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: <u>LB87302</u>	Level: <u>LOW</u>	SDG No.: <u>LB87302</u>
Contract: <u></u>	Lab Code: <u>CHEM</u>	Case No.: <u>LB87302</u> SAS No.: <u>LB87302</u>
Matrix: <u>Solid</u>	Sample ID: <u>I2969-01</u>	Client ID: <u>TP4-5COMPDUP</u>
Percent Solids for Sample: <u>88.2</u>	Duplicate ID <u>I2969-01DUP</u>	Percent Solids for Spike Sample: <u>88.2</u>

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.53	U	0.086	U			

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB87302 **Level:** LOW **SDG No.:** LB87302
Contract: **Lab Code:** CHEM **Case No.:** LB87302 **SAS No.:** LB87302
Matrix: Solid **Sample ID:** I2969-01MS **Client ID:** TP4-5COMPMSD
Percent Solids for Sample: 88.2 **Duplicate ID** I2969-01MSD **Percent Solids for Spike Sample:** 88.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	50.3		50.6		1		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87302

SDG No.: LB87302

Contract:

Lab Code: CHEM

Case No.: LB87302

SAS No.: LB87302

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB98752BS Phenolics	mg/Kg	48.5	48.1		99.2	80 - 120	