

Daily Analysis Runlog For Sequence/QC Batch ID # LB89357

Review By		Review On				
SubDirectory		LB89357		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP57087				
ICV Standard		WP57089				
CCV Standard		WP57088				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP57047				
Chk Standard		WP57086,WP53648,WP53649				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	08/09/17 09:55		OK
2	0.1PPM	0.1PPM	CAL2	08/09/17 09:55		OK
3	0.25PPM	0.25PPM	CAL3	08/09/17 09:55		OK
4	0.50PPM	0.50PPM	CAL4	08/09/17 09:55		OK
5	1.0PPM	1.0PPM	CAL5	08/09/17 09:55		OK
6	2.0PPM	2.0PPM	CAL6	08/09/17 09:55		OK
7	ICV1	ICV1	ICV	08/09/17 10:28		OK
8	ICB1	ICB1	ICB	08/09/17 10:28		OK
9	CCV1	CCV1	CCV	08/09/17 10:28		OK
10	CCB1	CCB1	CCB	08/09/17 10:28		OK
11	PB101363BL	PB101363BL	MB	08/09/17 10:28		OK
12	PB101363BS	PB101363BS	LCS	08/09/17 10:28		OK
13	I4655-01	TP7-WC1	SAM	08/09/17 10:29		OK
14	I4655-01DUP	TP7-WC1DUP	DUP	08/09/17 10:29		OK
15	I4655-01MS	TP7-WC1MS	MS	08/09/17 10:29		OK
16	I4655-01MSD	TP7-WC1MSD	MSD	08/09/17 10:29		OK
17	I4655-02	TP8N-WC1	SAM	08/09/17 10:29		OK
18	I4655-03	TP7DEL-WC1	SAM	08/09/17 10:29		OK
19	CCV2	CCV2	CCV	08/09/17 10:33		OK
20	CCB2	CCB2	CCB	08/09/17 10:33		OK



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Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89357	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	TP7-WC1	SDG No.:	LB89357
Lab Sample ID:	I4655-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.28	U	1	0.57		2.8	mg/Kg	08/08/2017	08/09/2017	9065



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Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89357	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	TP8N-WC1	SDG No.:	LB89357
Lab Sample ID:	I4655-02	Matrix:	Solid
Level (low/med):	low	% Solid:	74

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.3	U	1	0.65		3.2	mg/Kg	08/08/2017	08/09/2017	9065



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Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89357	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	TP7DEL-WC1	SDG No.:	LB89357
Lab Sample ID:	I4655-03	Matrix:	Solid
Level (low/med):	low	% Solid:	80.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.5	U	1	0.59		2.9	mg/Kg	08/08/2017	08/09/2017	9065



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Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89357	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	TP7DEL-WC1	SDG No.:	LB89357
Lab Sample ID:	I4655-03	Matrix:	Solid
Level (low/med):	low	% Solid:	80.2

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: LB89357

SDG No.: LB89357

Contract: _____

Lab Code: CHEM

Case No.: LB89357

SAS No.: LB89357

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	1	1	100	0	90 - 110		08/09/2017	10:28	LB89357



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89357

SDG No.: LB89357

Contract: _____ Lab Code: CHEM

Case No.: LB89357

SAS No.: LB89357

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	1	1	100	0	90 - 110		08/09/2017	10:28	LB89357
CCV2	Phenolics	1	1	100	0	90 - 110		08/09/2017	10:33	LB89357



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89357

SDG No.: LB89357

Contract:

Lab Code: CHEM

Case No.: LB89357

SAS No.: LB89357

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0056	+/-0.05	U		0.05		08/09/2017	10:28	LB89357



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89357

SDG No.: LB89357

Contract:

Lab Code: CHEM

Case No.: LB89357

SAS No.: LB89357

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.0058	+/-0.05	U		0.05		08/09/2017	10:28	LB89357
CCB2	Phenolics	0.0032	+/-0.05	U		0.05		08/09/2017	10:33	LB89357



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89357

SDG No.: LB89357

Contract: Lab Code: CHEM

Case No.: LB89357

SAS No.: LB89357

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: LB89357

SDG No.: LB89357

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
PB101363BL		SOLID		Batch Number:		PB101363		Prep Date:	08/08/2017	
	Phenolics	0.25	<2.5	U		2.5		08/09/2017	10:28	LB89357



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89357 level: low sdg no.: LB89357
contract: lab code: CHEM case no.: LB89357 sas no.: LB89357
matrix: Solid sample id: I4655-01 client id: TP7-WC1MS
Percent Solids for Sample: 85.6 Spiked ID: I4655-01MS Percent Solids for Spike Sample: 85.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	49.4		0.57	U	57.3	86.2		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89357 level: low sdg no.: LB89357
contract: lab code: CHEM case no.: LB89357 sas no.: LB89357
matrix: Solid sample id: I4655-01 client id: TP7-WC1MSD
Percent Solids for Sample: 85.6 Spiked ID: I4655-01MSD Percent Solids for Spike Sample: 85.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	48.8		0.57	U	56.7	86.1		

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DUPLICATE SAMPLE SUMMARY

Client: LB89357 Level: LOW SDG No.: LB89357
Contract: Lab Code: CHEM Case No.: LB89357 SAS No.: LB89357
Matrix: Solid Sample ID: I4655-01 Client ID: TP7-WC1DUP
Percent Solids for Sample: 85.6 Duplicate ID I4655-01DUP Percent Solids for Spike Sample: 85.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.57	U	0.26	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB89357 **Level:** LOW **SDG No.:** LB89357
Contract: **Lab Code:** CHEM **Case No.:** LB89357 **SAS No.:** LB89357
Matrix: Solid **Sample ID:** I4655-01MS **Client ID:** TP7-WC1MSD
Percent Solids for Sample: 85.6 **Duplicate ID** I4655-01MSD **Percent Solids for Spike Sample:** 85.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	49.4		48.8		1		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89357

SDG No.: LB89357

Contract:

Lab Code: CHEM

Case No.: LB89357

SAS No.: LB89357

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101363BS Phenolics	mg/Kg	48.5	48.2		99.4	80 - 120	