

Daily Analysis Runlog For Sequence/QC Batch ID # LB91191

Review By		Review On				
SubDirectory		LB91191		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP59193				
ICV Standard		WP59195				
CCV Standard		WP59194				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP59192,WP58150,WP58151				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	10/28/17 14:30		OK
2	0.1PPM	0.1PPM	CAL2	10/28/17 14:30		OK
3	0.25PPM	0.25PPM	CAL3	10/28/17 14:30		OK
4	0.50PPM	0.50PPM	CAL4	10/28/17 14:30		OK
5	1.0PPM	1.0PPM	CAL5	10/28/17 14:30		OK
6	2.0PPM	2.0PPM	CAL6	10/28/17 14:30		OK
7	ICV1	ICV1	ICV	10/28/17 15:00		OK
8	ICB1	ICB1	ICB	10/28/17 15:00		OK
9	CCV1	CCV1	CCV	10/28/17 15:00		OK
10	CCB1	CCB1	CCB	10/28/17 15:00		OK
11	PB103758BL	PB103758BL	MB	10/28/17 15:00		OK
12	PB103758BS	PB103758BS	LCS	10/28/17 15:00		OK
13	I6157-01	RLF-SD-1	SAM	10/28/17 15:10		OK
14	I6157-01DUP	RLF-SD-1DUP	DUP	10/28/17 15:10		OK
15	I6157-01MS	RLF-SD-1MS	MS	10/28/17 15:10		OK
16	I6157-01MSD	RLF-SD-1MSD	MSD	10/28/17 15:10		OK
17	I6157-02	RLF-SD-3	SAM	10/28/17 15:10		OK
18	I6157-03	RLF-SD-4	SAM	10/28/17 15:10		OK
19	I6157-04	RLF-SD-5	SAM	10/28/17 15:10		OK
20	I6157-05	RLF-SD-6	SAM	10/28/17 15:10		OK
21	CCV2	CCV2	CCV	10/28/17 15:10		OK



Instrument ID : KONELAB

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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SubDirectory		Test : Phenolics				
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STD. NAME		STD REF.#				
ICAL Standard		WP59193				
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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP59192,WP58150,WP58151				
22	CCB2	CCB2	CCB	10/28/17 15:10		OK
23	I6157-06	RLF-FD-02	SAM	10/28/17 15:10		OK
24	CCV3	CCV3	CCV	10/28/17 15:10		OK
25	CCB3	CCB3	CCB	10/28/17 15:13		OK



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91191	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-1	SDG No.:	LB91191
Lab Sample ID:	I6157-01	Matrix:	Solid
Level (low/med):	low	% Solid:	70.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	-0.096	U	1	0.69		3.4	mg/Kg	10/28/2017	10/28/2017	9065



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91191	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-3	SDG No.:	LB91191
Lab Sample ID:	I6157-02	Matrix:	Solid
Level (low/med):	low	% Solid:	66

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	-0.23	U	1	0.73		3.6	mg/Kg	10/28/2017	10/28/2017	9065



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91191	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-4	SDG No.:	LB91191
Lab Sample ID:	I6157-03	Matrix:	Solid
Level (low/med):	low	% Solid:	64.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.044	U	1	0.74		3.7	mg/Kg	10/28/2017	10/28/2017	9065



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91191	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-5	SDG No.:	LB91191
Lab Sample ID:	I6157-04	Matrix:	Solid
Level (low/med):	low	% Solid:	52.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0	U	1	0.91		4.6	mg/Kg	10/28/2017	10/28/2017	9065



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91191	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-6	SDG No.:	LB91191
Lab Sample ID:	I6157-05	Matrix:	Solid
Level (low/med):	low	% Solid:	54.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	-0.17	U	1	0.88		4.4	mg/Kg	10/28/2017	10/28/2017	9065



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91191	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02	SDG No.:	LB91191
Lab Sample ID:	I6157-06	Matrix:	Solid
Level (low/med):	low	% Solid:	57.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.27	U	1	0.84		4.2	mg/Kg	10/28/2017	10/28/2017	9065

Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91191	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02	SDG No.:	LB91191
Lab Sample ID:	I6157-06	Matrix:	Solid
Level (low/med):	low	% Solid:	57.6

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: LB91191

SDG No.: LB91191

Contract: **Lab Code:** CHEM

Case No.: LB91191

SAS No.: LB91191

Initial Calibration Source:

Continuing Calibration Source: _____

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
CCV1	Phenolics	1	1	100	0	90 - 110		10/28/2017	15:00	LB91191
CCV2	Phenolics	1	1	100	0	90 - 110		10/28/2017	15:10	LB91191
CCV3	Phenolics	1	1	100	0	90 - 110		10/28/2017	15:10	LB91191



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB91191	SDG No.:	LB91191				
Contract:		Lab Code:	CHEM	Case No.:	LB91191	SAS No.:	LB91191

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	-0.0057	+/-0.05	U		0.05		10/28/2017	15:00	LB91191



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91191

SDG No.: LB91191

Contract:

Lab Code: CHEM

Case No.: LB91191

SAS No.: LB91191

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	-0.0018	+/-0.05	U		0.05		10/28/2017	15:00	LB91191
CCB2	Phenolics	-0.0025	+/-0.05	U		0.05		10/28/2017	15:10	LB91191
CCB3	Phenolics	-0.0052	+/-0.05	U		0.05		10/28/2017	15:13	LB91191



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91191

SDG No.: LB91191

Contract: Lab Code: CHEM

Case No.: LB91191

SAS No.: LB91191

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

Client: LB91191

SDG No.: LB91191

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
PB103758BL		SOLID		Batch Number:		PB103758		Prep Date:	10/28/2017	
	Phenolics	-0.11	<2.5	U		2.5		10/28/2017	15:00	LB91191

GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB91191 level: low sdg no.: LB91191
contract: lab code: CHEM case no.: LB91191 sas no.: LB91191
matrix: Solid sample id: I6157-01 client id: RLF-SD-1MS
Percent Solids for Sample: 70.6 Spiked ID: I6157-01MS Percent Solids for Spike Sample: 70.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	55.8		0.69	U	69.4	80.4		

GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB91191 level: low sdg no.: LB91191
contract: lab code: CHEM case no.: LB91191 sas no.: LB91191
matrix: Solid sample id: I6157-01 client id: RLF-SD-1MSD
Percent Solids for Sample: 70.6 Spiked ID: I6157-01MSD Percent Solids for Spike Sample: 70.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	54.4		0.69	U	68.8	79.1		

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DUPLICATE SAMPLE SUMMARY

Client: LB91191 **Level:** LOW **SDG No.:** LB91191
Contract: **Lab Code:** CHEM **Case No.:** LB91191 **SAS No.:** LB91191
Matrix: Solid **Sample ID:** I6157-01 **Client ID:** RLF-SD-1DUP
Percent Solids for Sample: 70.6 **Duplicate ID** I6157-01DUP **Percent Solids for Spike Sample:** 70.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.69	U	-0.17	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91191 **Level:** LOW **SDG No.:** LB91191
Contract: **Lab Code:** CHEM **Case No.:** LB91191 **SAS No.:** LB91191
Matrix: Solid **Sample ID:** I6157-01MS **Client ID:** RLF-SD-1MSD
Percent Solids for Sample: 70.6 **Duplicate ID** I6157-01MSD **Percent Solids for Spike Sample:** 70.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	55.8		54.4		3		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91191

SDG No.: LB91191

Contract:

Lab Code: CHEM

Case No.: LB91191

SAS No.: LB91191

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB103758BS Phenolics	mg/Kg	48.5	48.9		100.8	80 - 120	