

Daily Analysis Runlog For Sequence/QC Batch ID # LB90908

Review By		Review On				
SubDirectory		LB90908		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		wp58862				
ICV Standard		wp58864				
CCV Standard		wp58863				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58861,WP58150,WP58151				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	10/18/17 11:34		OK
2	0.1PPM	0.1PPM	CAL2	10/18/17 11:34		OK
3	0.25PPM	0.25PPM	CAL3	10/18/17 11:35		OK
4	0.50PPM	0.50PPM	CAL4	10/18/17 11:35		OK
5	1.0PPM	1.0PPM	CAL5	10/18/17 11:35		OK
6	2.0PPM	2.0PPM	CAL6	10/18/17 11:35		OK
7	ICV1	ICV1	ICV	10/18/17 12:06		OK
8	ICB1	ICB1	ICB	10/18/17 12:06		OK
9	CCV1	CCV1	CCV	10/18/17 12:06		OK
10	CCB1	CCB1	CCB	10/18/17 12:06		OK
11	PB103387BL	PB103387BL	MB	10/18/17 12:16		OK
12	PB103387BS	PB103387BS	LCS	10/18/17 12:16		OK
13	I5901-01	S-1-20170688	SAM	10/18/17 12:16		OK
14	I5901-01DUP	S-1-20170688DUP	DUP	10/18/17 12:16		OK
15	I5901-01MS	S-1-20170688MS	MS	10/18/17 12:16		OK
16	I5901-01MSD	S-1-20170688MSD	MSD	10/18/17 12:16		OK
17	I5901-03	S-3-20170690	SAM	10/18/17 12:21		OK
18	I5901-05	S-5-20170692	SAM	10/18/17 12:21		OK
19	I5901-06	S-6-20170693	SAM	10/18/17 12:21		OK
20	CCV2	CCV2	CCV	10/18/17 12:21		OK
21	CCB2	CCB2	CCB	10/18/17 12:21		OK



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Report of Analysis

Client:		Date Collected:	10/12/2017 12:00:00 AM
Project:	LB90908	Date Received:	10/13/2017 12:00:00 AM
Client Sample ID:	S-1-20170688	SDG No.:	LB90908
Lab Sample ID:	I5901-01	Matrix:	Solid
Level (low/med):	low	% Solid:	52.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.19	U	1	0.93		4.6	mg/Kg	10/17/2017	10/18/2017	9065



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Report of Analysis

Client:		Date Collected:	10/12/2017 12:00:00 AM
Project:	LB90908	Date Received:	10/13/2017 12:00:00 AM
Client Sample ID:	S-3-20170690	SDG No.:	LB90908
Lab Sample ID:	I5901-03	Matrix:	Solid
Level (low/med):	low	% Solid:	67.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.071	U	1	0.71		3.5	mg/Kg	10/17/2017	10/18/2017	9065



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Report of Analysis

Client:		Date Collected:	10/12/2017 12:00:00 AM
Project:	LB90908	Date Received:	10/13/2017 12:00:00 AM
Client Sample ID:	S-5-20170692	SDG No.:	LB90908
Lab Sample ID:	I5901-05	Matrix:	Solid
Level (low/med):	low	% Solid:	50.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.36	U	1	0.94		4.7	mg/Kg	10/17/2017	10/18/2017	9065



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Report of Analysis

Client:		Date Collected:	10/12/2017 12:00:00 AM
Project:	LB90908	Date Received:	10/13/2017 12:00:00 AM
Client Sample ID:	S-6-20170693	SDG No.:	LB90908
Lab Sample ID:	I5901-06	Matrix:	Solid
Level (low/med):	low	% Solid:	31.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.92	U	1	1.5		7.5	mg/Kg	10/17/2017	10/18/2017	9065



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Report of Analysis

Client:		Date Collected:	10/12/2017 12:00:00 AM
Project:	LB90908	Date Received:	10/13/2017 12:00:00 AM
Client Sample ID:	S-6-20170693	SDG No.:	LB90908
Lab Sample ID:	I5901-06	Matrix:	Solid
Level (low/med):	low	% Solid:	31.3

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: LB90908

SDG No.: LB90908

Contract: _____ Lab Code: CHEM

Case No.: LB90908

SAS No.: LB90908

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		10/18/2017	12:06	LB90908
CCV2	Phenolics	1	1	100	0	90 - 110		10/18/2017	12:21	LB90908



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90908 **SDG No.:** LB90908
Contract: **Lab Code:** CHEM **Case No.:** LB90908 **SAS No.:** LB90908

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0005	+/-0.05	U		0.05		10/18/2017	12:06	LB90908



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90908

SDG No.: LB90908

Contract:

Lab Code: CHEM

Case No.: LB90908

SAS No.: LB90908

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	-0.0013	+/-0.05	U		0.05		10/18/2017	12:06	LB90908
CCB2	Phenolics	0.0008	+/-0.05	U		0.05		10/18/2017	12:21	LB90908



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90908

SDG No.: LB90908

Contract: Lab Code: CHEM

Case No.: LB90908

SAS No.: LB90908

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: LB90908

SDG No.: LB90908

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
PB103387BL		SOLID		Batch Number:		PB103387		Prep Date:	10/17/2017	
	Phenolics	-0.02	<2.5	U		2.5		10/18/2017	12:16	LB90908



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- 5a -
MATRIX SPIKE SUMMARY

client: LB90908 level: low sdg no.: LB90908
contract: lab code: CHEM case no.: LB90908 sas no.: LB90908
matrix: Solid sample id: I5901-01 client id: S-1-20170688MS
Percent Solids for Sample: 52.3 Spiked ID: I5901-01MS Percent Solids for Spike Sample: 52.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	86.8		0.93	U	93.7	92.6		

GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90908 level: low sdg no.: LB90908
contract: lab code: CHEM case no.: LB90908 sas no.: LB90908
matrix: Solid sample id: I5901-01 client id: S-1-20170688MSD
Percent Solids for Sample: 52.3 Spiked ID: I5901-01MSD Percent Solids for Spike Sample: 52.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	83.8		0.93	U	91.9	91.2		

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DUPLICATE SAMPLE SUMMARY

Client: LB90908 **Level:** LOW **SDG No.:** LB90908
Contract: **Lab Code:** CHEM **Case No.:** LB90908 **SAS No.:** LB90908
Matrix: Solid **Sample ID:** I5901-01 **Client ID:** S-1-20170688DUP
Percent Solids for Sample: 52.3 **Duplicate ID** I5901-01DUP **Percent Solids for Spike Sample:** 52.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.93	U	0.24	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB90908 **Level:** LOW **SDG No.:** LB90908
Contract: **Lab Code:** CHEM **Case No.:** LB90908 **SAS No.:** LB90908
Matrix: Solid **Sample ID:** I5901-01MS **Client ID:** S-1-20170688MSD
Percent Solids for Sample: 52.3 **Duplicate ID** I5901-01MSD **Percent Solids for Spike Sample:** 52.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	86.8		83.8		4		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90908

SDG No.: LB90908

Contract:

Lab Code: CHEM

Case No.: LB90908

SAS No.: LB90908

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB103387BS Phenolics	mg/Kg	48.5	48.5		100	80 - 120	