

Daily Analysis Runlog For Sequence/QC Batch ID # LB88024

Review By		Review On				
SubDirectory		LB88024		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP55580				
ICV Standard		WP55582				
CCV Standard		WP55581				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP55543				
Chk Standard		WP55583,WP53648,WP53649				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	06/12/17 15:28		OK
2	0.1PPM	0.1PPM	CAL2	06/12/17 15:28		OK
3	0.25PPM	0.25PPM	CAL3	06/12/17 15:28		OK
4	0.50PPM	0.50PPM	CAL4	06/12/17 15:28		OK
5	1.0PPM	1.0PPM	CAL5	06/12/17 15:28		OK
6	2.0PPM	2.0PPM	CAL6	06/12/17 15:28		OK
7	ICV1	ICV1	ICV	06/12/17 15:58		OK
8	ICB1	ICB1	ICB	06/12/17 15:58		OK
9	CCV1	CCV1	CCV	06/12/17 15:58		OK
10	CCB1	CCB1	CCB	06/12/17 15:58		OK
11	PB99690BL	PB99690BL	MB	06/12/17 15:58		OK
12	PB99690BS	PB99690BS	LCS	06/12/17 15:58		OK
13	I3615-01	HA4-WCA	SAM	06/12/17 15:58		OK
14	I3615-01DUP	HA4-WCADUP	DUP	06/12/17 15:58		OK
15	I3615-01MS	HA4-WCAMS	MS	06/12/17 15:58		OK
16	I3615-01MSD	HA4-WCAMSD	MSD	06/12/17 15:58		OK
17	I3615-05	HA4-WCB	SAM	06/12/17 15:58		OK
18	CCV2	CCV2	CCV	06/12/17 15:58		OK
19	CCB2	CCB2	CCB	06/12/17 16:02		OK



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Report of Analysis

Client:		Date Collected:	6/9/2017 12:00:00 AM
Project:	LB88024	Date Received:	6/9/2017 12:00:00 AM
Client Sample ID:	HA4-WCA	SDG No.:	LB88024
Lab Sample ID:	I3615-01	Matrix:	Solid
Level (low/med):	low	% Solid:	79

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	-0.074	U	1	0.61		3.1	mg/Kg	06/12/2017	06/12/2017	9065



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Report of Analysis

Client:		Date Collected:	6/9/2017 12:00:00 AM
Project:	LB88024	Date Received:	6/9/2017 12:00:00 AM
Client Sample ID:	HA4-WCB	SDG No.:	LB88024
Lab Sample ID:	I3615-05	Matrix:	Solid
Level (low/med):	low	% Solid:	79.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	-0.23	U	1	0.6		3	mg/Kg	06/12/2017	06/12/2017	9065



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Report of Analysis

Client:		Date Collected:	6/9/2017 12:00:00 AM
Project:	LB88024	Date Received:	6/9/2017 12:00:00 AM
Client Sample ID:	HA4-WCB	SDG No.:	LB88024
Lab Sample ID:	I3615-05	Matrix:	Solid
Level (low/med):	low	% Solid:	79.9

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: LB88024

SDG No.: LB88024

Contract: _____ Lab Code: CHEM

Case No.: LB88024

SAS No.: LB88024

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	0.97	1	97	0	90 - 110		06/12/2017	15:58	LB88024
CCV2	Phenolics	0.97	1	97	0	90 - 110		06/12/2017	15:58	LB88024



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88024 **SDG No.:** LB88024
Contract: **Lab Code:** CHEM **Case No.:** LB88024 **SAS No.:** LB88024

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	-0.0012	+/-0.05	U		0.05		06/12/2017	15:58	LB88024



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88024

SDG No.: LB88024

Contract:

Lab Code: CHEM

Case No.: LB88024

SAS No.: LB88024

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		06/12/2017	15:58	LB88024
CCB2	Phenolics	0.0005	+/-0.05	U		0.05		06/12/2017	16:02	LB88024



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB88024

SDG No.:

LB88024

Contract:

Lab Code:

CHEM

Case No.:

LB88024

SAS No.:

LB88024

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

Client: LB88024

SDG No.: LB88024

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
PB99690BL		SOLID		Batch Number:		PB99690		Prep Date:	06/12/2017	
	Phenolics	0.029	<2.5	U		2.5		06/12/2017	15:58	LB88024



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- 5a -
MATRIX SPIKE SUMMARY

client: LB88024 level: low sdg no.: LB88024
contract: lab code: CHEM case no.: LB88024 sas no.: LB88024
matrix: Solid sample id: I3615-01 client id: HA4-WCAMS
Percent Solids for Sample: 79 Spiked ID: I3615-01MS Percent Solids for Spike Sample: 79

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	60.1		0.61	U	62.1	96.8		



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB88024 level: low sdg no.: LB88024
contract: lab code: CHEM case no.: LB88024 sas no.: LB88024
matrix: Solid sample id: I3615-01 client id: HA4-WCAMSD
Percent Solids for Sample: 79 Spiked ID: I3615-01MSD Percent Solids for Spike Sample: 79

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	59.3		0.61	U	61.4	96.6		

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DUPLICATE SAMPLE SUMMARY

Client: LB88024 **Level:** LOW **SDG No.:** LB88024
Contract: **Lab Code:** CHEM **Case No.:** LB88024 **SAS No.:** LB88024
Matrix: Solid **Sample ID:** I3615-01 **Client ID:** HA4-WCADUP
Percent Solids for Sample: 79 **Duplicate ID** I3615-01DUP **Percent Solids for Spike Sample:** 79

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.61	U	-0.037	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB88024 **Level:** LOW **SDG No.:** LB88024
Contract: **Lab Code:** CHEM **Case No.:** LB88024 **SAS No.:** LB88024
Matrix: Solid **Sample ID:** I3615-01MS **Client ID:** HA4-WCAMSD
Percent Solids for Sample: 79 **Duplicate ID** I3615-01MSD **Percent Solids for Spike Sample:** 79

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	60.1		59.3		1		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88024

SDG No.: LB88024

Contract:

Lab Code: CHEM

Case No.: LB88024

SAS No.: LB88024

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB99690BS Phenolics	mg/Kg	48.5	46.9		96.7	80 - 120	