

Daily Analysis Runlog For Sequence/QC Batch ID # LB92121

Review By		Review On				
SubDirectory		LB92121		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP60302				
ICV Standard		WP60304				
CCV Standard		WP60303				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60115				
Chk Standard		WP58150,WP58151,WP60301				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	12/12/17 16:44		OK
2	0.1PPM	0.1PPM	CAL2	12/12/17 16:44		OK
3	0.25PPM	0.25PPM	CAL3	12/12/17 16:44		OK
4	0.50PPM	0.50PPM	CAL4	12/12/17 16:44		OK
5	1.0PPM	1.0PPM	CAL5	12/12/17 16:45		OK
6	2.0PPM	2.0PPM	CAL6	12/12/17 16:45		OK
7	ICV1	ICV1	ICV	12/12/17 17:09		OK
8	ICB1	ICB1	ICB	12/12/17 17:09		OK
9	CCV1	CCV1	CCV	12/12/17 17:09		OK
10	CCB1	CCB1	CCB	12/12/17 17:09		OK
11	PB104915BL	PB104915BL	MB	12/12/17 17:09		OK
12	PB104915BS	PB104915BS	LCS	12/12/17 17:09		OK
13	I6814-01	PHMHC-WC1	SAM	12/12/17 17:09		OK
14	I6814-01DUP	PHMHC-WC1DUP	DUP	12/12/17 17:09		OK
15	I6814-01MS	PHMHC-WC1MS	MS	12/12/17 17:16		OK
16	I6814-01MSD	PHMHC-WC1MSD	MSD	12/12/17 17:16		OK
17	DOC-01	DOC-01	LCS	12/12/17 17:16		OK
18	DOC-2	DOC-2	LCS	12/12/17 17:16		OK
19	DOC-3	DOC-3	LCS	12/12/17 17:16		OK
20	DOC-4	DOC-4	LCS	12/12/17 17:16		OK
21	CCV2	CCV2	CCV	12/12/17 17:16		OK



Instrument ID : KONELAB

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

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CCV Standard		WP60303				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60115				
Chk Standard		WP58150,WP58151,WP60301				
22	CCB2	CCB2	CCB	12/12/17 17:16		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/8/2017 12:00:00 AM
Project:	LB92121	Date Received:	12/8/2017 12:00:00 AM
Client Sample ID:	PHMHC-WC1	SDG No.:	LB92121
Lab Sample ID:	I6814-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86

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	12/11/2017	12/12/2017	9065



Report of Analysis

Client:		Date Collected:	12/8/2017 12:00:00 AM
Project:	LB92121	Date Received:	12/8/2017 12:00:00 AM
Client Sample ID:	PHMHC-WC1	SDG No.:	LB92121
Lab Sample ID:	I6814-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86

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: LB92121

SDG No.: LB92121

Contract: _____ Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

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		12/12/2017	17:09	LB92121



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92121

SDG No.: LB92121

Contract: _____ Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

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		12/12/2017	17:09	LB92121
CCV2	Phenolics	1	1	100	0	90 - 110		12/12/2017	17:16	LB92121



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92121

SDG No.: LB92121

Contract:

Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.013	+/-0.05	J		0.05		12/12/2017	17:09	LB92121



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92121

SDG No.: LB92121

Contract:

Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.011	+/-0.05	J		0.05		12/12/2017	17:09	LB92121
CCB2	Phenolics	0.0098	+/-0.05	U		0.05		12/12/2017	17:16	LB92121



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92121

SDG No.: LB92121

Contract: Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

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: LB92121

SDG No.: LB92121

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
PB104915BL		SOLID		Batch Number:		PB104915		Prep Date:	12/11/2017	
	Phenolics	0.62	<2.4	J		2.4		12/12/2017	17:09	LB92121



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- 5a -
MATRIX SPIKE SUMMARY

client: LB92121 level: low sdg no.: LB92121
contract: lab code: CHEM case no.: LB92121 sas no.: LB92121
matrix: Solid sample id: I6814-01 client id: PHMHC-WC1MS
Percent Solids for Sample: 86 Spiked ID: I6814-01MS Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	53.4		0.57	U	56.4	94.7		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92121 level: low sdg no.: LB92121
contract: lab code: CHEM case no.: LB92121 sas no.: LB92121
matrix: Solid sample id: I6814-01 client id: PHMHC-WC1MSD
Percent Solids for Sample: 86 Spiked ID: I6814-01MSD Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	54.2		0.57	U	57	95.1		

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DUPLICATE SAMPLE SUMMARY

Client: LB92121 **Level:** LOW **SDG No.:** LB92121
Contract: **Lab Code:** CHEM **Case No.:** LB92121 **SAS No.:** LB92121
Matrix: Solid **Sample ID:** I6814-01 **Client ID:** PHMHC-WC1DUP
Percent Solids for Sample: 86 **Duplicate ID** I6814-01DUP **Percent Solids for Spike Sample:** 86

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.57	U	0.42	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB92121 **Level:** LOW **SDG No.:** LB92121
Contract: **Lab Code:** CHEM **Case No.:** LB92121 **SAS No.:** LB92121
Matrix: Solid **Sample ID:** I6814-01MS **Client ID:** PHMHC-WC1MSD
Percent Solids for Sample: 86 **Duplicate ID** I6814-01MSD **Percent Solids for Spike Sample:** 86

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	53.4		54.2		1		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92121

SDG No.: LB92121

Contract:

Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
DOC-01 Phenolics	mg/Kg	1	0.9		90	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92121

SDG No.: LB92121

Contract:

Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
DOC-2 Phenolics	mg/Kg	1	0.92		92	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92121

SDG No.: LB92121

Contract:

Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
DOC-3 Phenolics	mg/Kg	1	0.91		91	80 - 120	

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
DOC-4							
Phenolics	mg/Kg	1	0.81		81	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92121

SDG No.: LB92121

Contract:

Lab Code: CHEM

Case No.: LB92121

SAS No.: LB92121

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB104915BS Phenolics	mg/Kg	49	49.3		100.6	80 - 120	