

Daily Analysis Runlog For Sequence/QC Batch ID # LB92263

Review By		Review On				
SubDirectory		LB92263		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP60461				
ICV Standard		WP60460				
CCV Standard		WP60459				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60333				
Chk Standard		WP58150,WP58151,WP60458				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	12/19/17 15:42		OK
2	0.1PPM	0.1PPM	CAL2	12/19/17 15:42		OK
3	0.25PPM	0.25PPM	CAL3	12/19/17 15:42		OK
4	0.50PPM	0.50PPM	CAL4	12/19/17 15:42		OK
5	1.0PPM	1.0PPM	CAL5	12/19/17 15:42		OK
6	2.0PPM	2.0PPM	CAL6	12/19/17 15:42		OK
7	ICV1	ICV1	ICV	12/19/17 16:11		OK
8	ICB1	ICB1	ICB	12/19/17 16:11		OK
9	CCV1	CCV1	CCV	12/19/17 16:11		OK
10	CCB1	CCB1	CCB	12/19/17 16:11		OK
11	PB105180BL	PB105180BL	MB	12/19/17 16:11		OK
12	PB105180BS	PB105180BS	LCS	12/19/17 16:11		OK
13	I6981-01	PHMHA-WCS	SAM	12/19/17 16:11		OK
14	I6981-01DUP	PHMHA-WCSDUP	DUP	12/19/17 16:11		OK
15	I6981-01MS	PHMHA-WCSMS	MS	12/19/17 16:11		OK
16	I6981-01MSD	PHMHA-WCSMSD	MSD	12/19/17 16:18		OK
17	I6981-04	PHMHA-WCD	SAM	12/19/17 16:18		OK
18	I6981-07	PHMHB-WCS	SAM	12/19/17 16:18		OK
19	I6981-10	PHMHB-WCD	SAM	12/19/17 16:18		OK
20	CCV2	CCV2	CCV	12/19/17 16:18		OK
21	CCB2	CCB2	CCB	12/19/17 16:18		OK



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

Report of Analysis

Client:		Date Collected:	12/18/2017 12:00:00 AM
Project:	LB92263	Date Received:	12/18/2017 12:00:00 AM
Client Sample ID:	PHMHA-WCS	SDG No.:	LB92263
Lab Sample ID:	I6981-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	-0.087	U	1	0.55		2.7	mg/Kg	12/19/2017	12/19/2017	9065



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

Report of Analysis

Client:		Date Collected:	12/18/2017 12:00:00 AM
Project:	LB92263	Date Received:	12/18/2017 12:00:00 AM
Client Sample ID:	PHMHA-WCD	SDG No.:	LB92263
Lab Sample ID:	I6981-04	Matrix:	Solid
Level (low/med):	low	% Solid:	91.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.15	U	1	0.5		2.5	mg/Kg	12/19/2017	12/19/2017	9065



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

Report of Analysis

Client:		Date Collected:	12/18/2017 12:00:00 AM
Project:	LB92263	Date Received:	12/18/2017 12:00:00 AM
Client Sample ID:	PHMHB-WCS	SDG No.:	LB92263
Lab Sample ID:	I6981-07	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.092	U	1	0.51		2.6	mg/Kg	12/19/2017	12/19/2017	9065



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

Report of Analysis

Client:		Date Collected:	12/18/2017 12:00:00 AM
Project:	LB92263	Date Received:	12/18/2017 12:00:00 AM
Client Sample ID:	PHMHB-WCD	SDG No.:	LB92263
Lab Sample ID:	I6981-10	Matrix:	Solid
Level (low/med):	low	% Solid:	82.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.13	U	1	0.58		2.9	mg/Kg	12/19/2017	12/19/2017	9065



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

Report of Analysis

Client:		Date Collected:	12/18/2017 12:00:00 AM
Project:	LB92263	Date Received:	12/18/2017 12:00:00 AM
Client Sample ID:	PHMHB-WCD	SDG No.:	LB92263
Lab Sample ID:	I6981-10	Matrix:	Solid
Level (low/med):	low	% Solid:	82.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
-----	-----------	-------	------	----	-----	-----	------------	-------	-----------	-----------	----------

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: LB92263

SDG No.: LB92263

Contract: _____ Lab Code: CHEM

Case No.: LB92263

SAS No.: LB92263

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	0.98	1	98	0	90 - 110		12/19/2017	16:11	LB92263



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92263

SDG No.: LB92263

Contract: _____ Lab Code: CHEM

Case No.: LB92263

SAS No.: LB92263

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		12/19/2017	16:11	LB92263
CCV2	Phenolics	1	1	100	0	90 - 110		12/19/2017	16:18	LB92263



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92263

SDG No.: LB92263

Contract:

Lab Code: CHEM

Case No.: LB92263

SAS No.: LB92263

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0014	+/-0.05	U		0.05		12/19/2017	16:11	LB92263



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92263

SDG No.: LB92263

Contract:

Lab Code: CHEM

Case No.: LB92263

SAS No.: LB92263

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.002	+/-0.05	U		0.05		12/19/2017	16:11	LB92263
CCB2	Phenolics	0.0036	+/-0.05	U		0.05		12/19/2017	16:18	LB92263



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92263

SDG No.: LB92263

Contract: Lab Code: CHEM

Case No.: LB92263

SAS No.: LB92263

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



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB92263

SDG No.: LB92263

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
PB105180BL		SOLID		Batch Number:		PB105180		Prep Date:	12/19/2017	
	Phenolics	0.04	<2.5	U		2.5		12/19/2017	16:11	LB92263



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92263 level: low sdg no.: LB92263
contract: lab code: CHEM case no.: LB92263 sas no.: LB92263
matrix: Solid sample id: I6981-01 client id: PHMHA-WCSMS
Percent Solids for Sample: 89.8 Spiked ID: I6981-01MS Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	46.9		0.55	U	54.6	85.9		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92263 level: low sdg no.: LB92263
contract: lab code: CHEM case no.: LB92263 sas no.: LB92263
matrix: Solid sample id: I6981-01 client id: PHMHA-WCSMSD
Percent Solids for Sample: 89.8 Spiked ID: I6981-01MSD Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	49.2		0.55	U	54.1	90.9		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92263 **Level:** LOW **SDG No.:** LB92263
Contract: **Lab Code:** CHEM **Case No.:** LB92263 **SAS No.:** LB92263
Matrix: Solid **Sample ID:** I6981-01 **Client ID:** PHMHA-WCSDUP
Percent Solids for Sample: 89.8 **Duplicate ID** I6981-01DUP **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.55	U		0	U		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92263 **Level:** LOW **SDG No.:** LB92263
Contract: **Lab Code:** CHEM **Case No.:** LB92263 **SAS No.:** LB92263
Matrix: Solid **Sample ID:** I6981-01MS **Client ID:** PHMHA-WCSMSD
Percent Solids for Sample: 89.8 **Duplicate ID** I6981-01MSD **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	46.9		49.2		5		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92263

SDG No.: LB92263

Contract:

Lab Code: CHEM

Case No.: LB92263

SAS No.: LB92263

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105180BS Phenolics	mg/Kg	49	48		98	80 - 120	