

Daily Analysis Runlog For Sequence/QC Batch ID # LB89154

Review By		Review On				
SubDirectory		LB89154		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP56786				
ICV Standard		WP56787				
CCV Standard		WP56788				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP56615				
Chk Standard		WP56785,WP53648,WP53649				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	07/31/17 13:43		OK
2	0.1PPM	0.1PPM	CAL2	07/31/17 13:43		OK
3	0.25PPM	0.25PPM	CAL3	07/31/17 13:43		OK
4	0.50PPM	0.50PPM	CAL4	07/31/17 13:43		OK
5	1.0PPM	1.0PPM	CAL5	07/31/17 13:44		OK
6	2.0PPM	2.0PPM	CAL6	07/31/17 13:44		OK
7	ICV1	ICV1	ICV	07/31/17 15:01		OK
8	ICB1	ICB1	ICB	07/31/17 15:01		OK
9	CCV1	CCV1	CCV	07/31/17 15:01		OK
10	CCB1	CCB1	CCB	07/31/17 15:01		OK
11	PB101064BL	PB101064BL	MB	07/31/17 15:01		OK
12	PB101064BS	PB101064BS	LCS	07/31/17 15:01		OK
13	I4512-01	HDD-PILWC4	SAM	07/31/17 15:01		OK
14	I4512-01DUP	HDD-PILWC4DUP	DUP	07/31/17 15:01		OK
15	I4512-01MS	HDD-PILWC4MS	MS	07/31/17 15:01		OK
16	I4512-01MSD	HDD-PILWC4MSD	MSD	07/31/17 15:01		OK
17	CCV2	CCV2	CCV	07/31/17 15:01		OK
18	CCB2	CCB2	CCB	07/31/17 15:01		OK



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

Report of Analysis

Client:		Date Collected:	7/28/2017 12:00:00 AM
Project:	LB89154	Date Received:	7/28/2017 12:00:00 AM
Client Sample ID:	HDD-PILWC4	SDG No.:	LB89154
Lab Sample ID:	I4512-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.1	U	1	0.62		3.1	mg/Kg	07/28/2017	07/31/2017	9065



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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: LB89154

SDG No.: LB89154

Contract: _____ Lab Code: CHEM

Case No.: LB89154

SAS No.: LB89154

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		07/31/2017	15:01	LB89154
CCV2	Phenolics	1	1	100	0	90 - 110		07/31/2017	15:01	LB89154



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89154

SDG No.: LB89154

Contract:

Lab Code: CHEM

Case No.: LB89154

SAS No.: LB89154

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0024	+/-0.05	U		0.05		07/31/2017	15:01	LB89154



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89154

SDG No.: LB89154

Contract:

Lab Code: CHEM

Case No.: LB89154

SAS No.: LB89154

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.0024	+/-0.05	U		0.05		07/31/2017	15:01	LB89154
CCB2	Phenolics	0.0045	+/-0.05	U		0.05		07/31/2017	15:01	LB89154



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89154

SDG No.: LB89154

Contract: Lab Code: CHEM

Case No.: LB89154

SAS No.: LB89154

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: LB89154

SDG No.: LB89154

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
PB101064BL	Phenolics	SOLID 0.053	<2.4	Batch Number: U		PB101064 2.4		Prep Date: 07/31/2017	07/28/2017 15:01	LB89154



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- 5a -
MATRIX SPIKE SUMMARY

client: LB89154 level: low sdg no.: LB89154
contract: lab code: CHEM case no.: LB89154 sas no.: LB89154
matrix: Solid sample id: I4512-01 client id: HDD-PILWC4MS
Percent Solids for Sample: 78.6 Spiked ID: I4512-01MS Percent Solids for Spike Sample: 78.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	59		0.62	U	62.4	94.6		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89154 level: low sdg no.: LB89154
contract: lab code: CHEM case no.: LB89154 sas no.: LB89154
matrix: Solid sample id: I4512-01 client id: HDD-PILWC4MSD
Percent Solids for Sample: 78.6 Spiked ID: I4512-01MSD Percent Solids for Spike Sample: 78.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	57.2		0.62	U	61.8	92.6		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89154 **Level:** LOW **SDG No.:** LB89154
Contract: **Lab Code:** CHEM **Case No.:** LB89154 **SAS No.:** LB89154
Matrix: Solid **Sample ID:** I4512-01 **Client ID:** HDD-PILWC4DUP
Percent Solids for Sample: 78.6 **Duplicate ID** I4512-01DUP **Percent Solids for Spike Sample:** 78.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.62	U	0.17	U			

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89154 **Level:** LOW **SDG No.:** LB89154
Contract: **Lab Code:** CHEM **Case No.:** LB89154 **SAS No.:** LB89154
Matrix: Solid **Sample ID:** I4512-01MS **Client ID:** HDD-PILWC4MSD
Percent Solids for Sample: 78.6 **Duplicate ID** I4512-01MSD **Percent Solids for Spike Sample:** 78.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	59		57.2		3		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89154

SDG No.: LB89154

Contract:

Lab Code: CHEM

Case No.: LB89154

SAS No.: LB89154

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101064BS Phenolics	mg/Kg	48.5	48.2		99.4	80 - 120	