

Daily Analysis Runlog For Sequence/QC Batch ID # LB91713

Review By		Review On				
SubDirectory		LB91713		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP59775				
ICV Standard		WP59777				
CCV Standard		WP59776				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59750				
Chk Standard		WP59774,WP58150,WP58151				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	11/20/17 16:10		OK
2	0.1PPM	0.1PPM	CAL2	11/20/17 16:10		OK
3	0.25PPM	0.25PPM	CAL3	11/20/17 16:10		OK
4	0.50PPM	0.50PPM	CAL4	11/20/17 16:10		OK
5	1.0PPM	1.0PPM	CAL5	11/20/17 16:10		OK
6	2.0PPM	2.0PPM	CAL6	11/20/17 16:10		OK
7	ICV1	ICV1	ICV	11/20/17 16:42		OK
8	ICB1	ICB1	ICB	11/20/17 16:42		OK
9	CCV1	CCV1	CCV	11/20/17 16:42		OK
10	CCB1	CCB1	CCB	11/20/17 16:42		OK
11	PB104422BL	PB104422BL	MB	11/20/17 16:42		OK
12	PB104422BS	PB104422BS	LCS	11/20/17 16:42		OK
13	I6517-01	HP-WC(COMP)	SAM	11/20/17 16:42		OK
14	I6517-01DUP	HP-WC(COMP)DUP	DUP	11/20/17 16:42		OK
15	I6517-01MS	HP-WC(COMP)MS	MS	11/20/17 16:49		OK
16	I6517-01MSD	HP-WC(COMP)MSD	MSD	11/20/17 16:49		OK
17	DOC-1	DOC-1	LCS	11/20/17 16:49		OK
18	DOC-2	DOC-2	LCS	11/20/17 16:49		OK
19	DOC-3	DOC-3	LCS	11/20/17 16:49		OK
20	DOC-4	DOC-4	LCS	11/20/17 16:49		OK
21	CCV2	CCV2	CCV	11/20/17 16:49		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		WP59776				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59750				
Chk Standard		WP59774,WP58150,WP58151				
22	CCB2	CCB2	CCB	11/20/17 16:49		OK



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91713	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	HP-WC(COMP)	SDG No.:	LB91713
Lab Sample ID:	I6517-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.095	U	1	0.56		2.8	mg/Kg	11/20/2017	11/20/2017	9065



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91713	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	HP-WC(COMP)	SDG No.:	LB91713
Lab Sample ID:	I6517-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.4

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: LB91713

SDG No.: LB91713

Contract: _____ Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

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		11/20/2017	16:42	LB91713



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91713

SDG No.: LB91713

Contract: _____ Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

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	1	110	0	90 - 110		11/20/2017	16:42	LB91713
CCV2	Phenolics	1.1	1	110	0	90 - 110		11/20/2017	16:49	LB91713



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91713

SDG No.: LB91713

Contract:

Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0068	+/-0.05	U		0.05		11/20/2017	16:42	LB91713



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91713

SDG No.: LB91713

Contract:

Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.0042	+/-0.05	U		0.05		11/20/2017	16:42	LB91713
CCB2	Phenolics	0.006	+/-0.05	U		0.05		11/20/2017	16:49	LB91713



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91713

SDG No.: LB91713

Contract: Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB91713

SDG No.: LB91713

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
PB104422BL		SOLID		Batch Number:		PB104422		Prep Date:	11/20/2017	
	Phenolics	0.23	<2.4	U		2.4		11/20/2017	16:42	LB91713



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- 5a -
MATRIX SPIKE SUMMARY

client: LB91713 level: low sdg no.: LB91713
contract: lab code: CHEM case no.: LB91713 sas no.: LB91713
matrix: Solid sample id: I6517-01 client id: HP-WC(COMP)MS
Percent Solids for Sample: 87.4 Spiked ID: I6517-01MS Percent Solids for Spike Sample: 87.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	54.3		0.56	U	54	100.6		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB91713 level: low sdg no.: LB91713
contract: lab code: CHEM case no.: LB91713 sas no.: LB91713
matrix: Solid sample id: I6517-01 client id: HP-WC(COMP)MSD
Percent Solids for Sample: 87.4 Spiked ID: I6517-01MSD Percent Solids for Spike Sample: 87.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/Kg	75 - 125	55.9		0.56	U	55.5	100.7		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91713 **Level:** LOW **SDG No.:** LB91713
Contract: **Lab Code:** CHEM **Case No.:** LB91713 **SAS No.:** LB91713
Matrix: Solid **Sample ID:** I6517-01 **Client ID:** HP-WC(COMP)DUP
Percent Solids for Sample: 87.4 **Duplicate ID** I6517-01DUP **Percent Solids for Spike Sample:** 87.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	0.56	U	0.15	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB91713 **Level:** LOW **SDG No.:** LB91713
Contract: **Lab Code:** CHEM **Case No.:** LB91713 **SAS No.:** LB91713
Matrix: Solid **Sample ID:** I6517-01MS **Client ID:** HP-WC(COMP)MSD
Percent Solids for Sample: 87.4 **Duplicate ID** I6517-01MSD **Percent Solids for Spike Sample:** 87.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/Kg	20	54.3		55.9		3		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91713

SDG No.: LB91713

Contract:

Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
DOC-1 Phenolics	mg/Kg	1	0.86		86	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91713

SDG No.: LB91713

Contract:

Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
DOC-2 Phenolics	mg/Kg	1	0.88		88	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91713

SDG No.: LB91713

Contract:

Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
DOC-3 Phenolics	mg/Kg	1	0.92		92	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91713

SDG No.: LB91713

Contract:

Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
DOC-4 Phenolics	mg/Kg	1	0.96		96	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91713

SDG No.: LB91713

Contract:

Lab Code: CHEM

Case No.: LB91713

SAS No.: LB91713

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB104422BS Phenolics	mg/Kg	49	53.1		108.4	80 - 120	