

Daily Analysis Runlog For Sequence/QC Batch ID # LB91020

Review By		Review On				
SubDirectory		LB91020		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP58990				
ICV Standard		WP58991				
CCV Standard		WP58992				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58150,WP58151,WP58984				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	10/23/17 12:07		OK
2	0.1PPM	0.1PPM	CAL2	10/23/17 12:07		OK
3	0.25PPM	0.25PPM	CAL3	10/23/17 12:07		OK
4	0.50PPM	0.50PPM	CAL4	10/23/17 12:07		OK
5	1.0PPM	1.0PPM	CAL5	10/23/17 12:07		OK
6	2.0PPM	2.0PPM	CAL6	10/23/17 12:07		OK
7	ICV1	ICV1	ICV	10/23/17 12:34		OK
8	ICB1	ICB1	ICB	10/23/17 12:34		OK
9	CCV1	CCV1	CCV	10/23/17 12:34		OK
10	CCB1	CCB1	CCB	10/23/17 12:34		OK
11	PB103497BL	PB103497BL	MB	10/23/17 12:34		OK
12	PB103497BS	PB103497BS	LCS	10/23/17 12:34		OK
13	I6024-25	TWP-02	SAM	10/23/17 12:41		OK
14	I6024-25DUP	TWP-02DUP	DUP	10/23/17 12:41		OK
15	I6024-25MS	TWP-02MS	MS	10/23/17 12:41		OK
16	I6024-25MSD	TWP-02MSD	MSD	10/23/17 12:41		OK
17	I6024-26	TWP-13	SAM	10/23/17 12:41		OK
18	CCV2	CCV2	CCV	10/23/17 12:41		OK
19	CCB2	CCB2	CCB	10/23/17 12:41		OK



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Report of Analysis

Client:		Date Collected:	10/19/2017 12:00:00 AM
Project:	LB91020	Date Received:	10/19/2017 12:00:00 AM
Client Sample ID:	TWP-02	SDG No.:	LB91020
Lab Sample ID:	I6024-25	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.0044	J	1	0.002		0.05	mg/L	10/20/2017	10/23/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/19/2017 12:00:00 AM
Project:	LB91020	Date Received:	10/19/2017 12:00:00 AM
Client Sample ID:	TWP-13	SDG No.:	LB91020
Lab Sample ID:	I6024-26	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.0011	U	1	0.002		0.05	mg/L	10/20/2017	10/23/2017	420.1



Report of Analysis

Client:		Date Collected:	10/19/2017 12:00:00 AM
Project:	LB91020	Date Received:	10/19/2017 12:00:00 AM
Client Sample ID:	TWP-13	SDG No.:	LB91020
Lab Sample ID:	I6024-26	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: LB91020

SDG No.: LB91020

Contract: _____

Lab Code: CHEM

Case No.: LB91020

SAS No.: LB91020

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		10/23/2017	12:34	LB91020



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91020

SDG No.: LB91020

Contract: _____ Lab Code: CHEM

Case No.: LB91020

SAS No.: LB91020

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		10/23/2017	12:34	LB91020
CCV2	Phenolics	1	1	100	0	90 - 110		10/23/2017	12:41	LB91020



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91020

SDG No.: LB91020

Contract:

Lab Code: CHEM

Case No.: LB91020

SAS No.: LB91020

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.002	+/-0.05	U		0.05		10/23/2017	12:34	LB91020

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		10/23/2017	12:34	LB91020
CCB2	Phenolics	-0.002	+/-0.05	U		0.05		10/23/2017	12:41	LB91020



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91020

SDG No.: LB91020

Contract: Lab Code: CHEM

Case No.: LB91020

SAS No.: LB91020

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: LB91020

SDG No.: LB91020

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB103497BL	Phenolics	WATER -0.0013	<0.05	Batch Number: U		PB103497 0.05		Prep Date: 10/23/2017	10/20/2017 12:34	LB91020



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- 5a -
MATRIX SPIKE SUMMARY

client: LB91020 level: low sdg no.: LB91020
contract: lab code: CHEM case no.: LB91020 sas no.: LB91020
matrix: WATER sample id: I6024-25 client id: TWP-02MS
Percent Solids for Sample: 0 Spiked ID: I6024-25MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/L	75 - 125	1.1		0.0044	J	1	110		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB91020 level: low sdg no.: LB91020
contract: lab code: CHEM case no.: LB91020 sas no.: LB91020
matrix: WATER sample id: I6024-25 client id: TWP-02MSD
Percent Solids for Sample: 0 Spiked ID: I6024-25MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/L	75 - 125	1.1		0.0044	J	1	110		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB91020 **Level:** LOW **SDG No.:** LB91020
Contract: **Lab Code:** CHEM **Case No.:** LB91020 **SAS No.:** LB91020
Matrix: WATER **Sample ID:** I6024-25 **Client ID:** TWP-02DUP
Percent Solids for Sample: 0 **Duplicate ID** I6024-25DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/L	20	0.0044	J	0.0051	J	15		



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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB91020 Level: LOW SDG No.: LB91020
Contract: Lab Code: CHEM Case No.: LB91020 SAS No.: LB91020
Matrix: WATER Sample ID: I6024-25MS Client ID: TWP-02MSD
Percent Solids for Sample: 0 Duplicate ID I6024-25MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/L	20	1.1		1.1		0		

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91020

SDG No.: LB91020

Contract:

Lab Code: CHEM

Case No.: LB91020

SAS No.: LB91020

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB103497BS Phenolics	mg/L	1	1		100	80 - 120	