

Daily Analysis Runlog For Sequence/QC Batch ID # LB89489

Review By		Review On				
SubDirectory		LB89489		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP57270				
ICV Standard		WP57272				
CCV Standard		WP57271				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57269,WP53649,WP53648				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	08/15/17 12:10		OK
2	0.1PPM	0.1PPM	CAL2	08/15/17 12:10		OK
3	0.25PPM	0.25PPM	CAL3	08/15/17 12:10		OK
4	0.50PPM	0.50PPM	CAL4	08/15/17 12:10		OK
5	1.0PPM	1.0PPM	CAL5	08/15/17 12:10		OK
6	2.0PPM	2.0PPM	CAL6	08/15/17 12:10		OK
7	ICV1	ICV1	ICV	08/15/17 12:43		OK
8	ICB1	ICB1	ICB	08/15/17 12:43		OK
9	CCV1	CCV1	CCV	08/15/17 13:23		OK
10	CCB1	CCB1	CCB	08/15/17 13:23		OK
11	PB101538BL	PB101538BL	MB	08/15/17 13:23		OK
12	PB101538BS	PB101538BS	LCS	08/15/17 13:23		OK
13	I4736-13	TWP-37	SAM	08/15/17 13:23		OK
14	I4736-13DUP	TWP-37DUP	DUP	08/15/17 13:23		OK
15	I4736-13MS	TWP-37MS	MS	08/15/17 13:23		OK
16	I4736-13MSD	TWP-37MSD	MSD	08/15/17 13:23		OK
17	I4736-14	TWP-32	SAM	08/15/17 13:23		OK
18	CCV2	CCV2	CCV	08/15/17 13:27		OK
19	CCB2	CCB2	CCB	08/15/17 13:27		OK



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Report of Analysis

Client:		Date Collected:	8/10/2017 12:00:00 AM
Project:	LB89489	Date Received:	8/10/2017 12:00:00 AM
Client Sample ID:	TWP-37	SDG No.:	LB89489
Lab Sample ID:	I4736-13	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	-0.0004	U	1	0.002		0.05	mg/L	08/14/2017	08/15/2017	420.1



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Report of Analysis

Client:		Date Collected:	8/10/2017 12:00:00 AM
Project:	LB89489	Date Received:	8/10/2017 12:00:00 AM
Client Sample ID:	TWP-32	SDG No.:	LB89489
Lab Sample ID:	I4736-14	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	-0.0026	U	1	0.002		0.05	mg/L	08/14/2017	08/15/2017	420.1



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Report of Analysis

Client:		Date Collected:	8/10/2017 12:00:00 AM
Project:	LB89489	Date Received:	8/10/2017 12:00:00 AM
Client Sample ID:	TWP-32	SDG No.:	LB89489
Lab Sample ID:	I4736-14	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: LB89489

SDG No.: LB89489

Contract: _____ Lab Code: CHEM

Case No.: LB89489

SAS No.: LB89489

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		08/15/2017	13:23	LB89489
CCV2	Phenolics	1	1	100	0	90 - 110		08/15/2017	13:27	LB89489



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89489

SDG No.: LB89489

Contract:

Lab Code: CHEM

Case No.: LB89489

SAS No.: LB89489

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	0.0017	+/-0.05	U		0.05		08/15/2017	12:43	LB89489



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89489

SDG No.: LB89489

Contract:

Lab Code: CHEM

Case No.: LB89489

SAS No.: LB89489

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	0.0035	+/-0.05	J		0.05		08/15/2017	13:23	LB89489
CCB2	Phenolics	0.0061	+/-0.05	J		0.05		08/15/2017	13:27	LB89489



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89489

SDG No.: LB89489

Contract: Lab Code: CHEM

Case No.: LB89489

SAS No.: LB89489

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: LB89489

SDG No.: LB89489

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
PB101538BL	Phenolics	WATER 0.0005	<0.05	Batch Number: U		PB101538 0.05		Prep Date: 08/15/2017	08/14/2017 13:23	LB89489



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MATRIX SPIKE SUMMARY

client: LB89489 level: low sdg no.: LB89489
contract: lab code: CHEM case no.: LB89489 sas no.: LB89489
matrix: WATER sample id: I4736-13 client id: TWP-37MS
Percent Solids for Sample: 0 Spiked ID: I4736-13MS 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		0.002	U	1	100		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89489 level: low sdg no.: LB89489
contract: lab code: CHEM case no.: LB89489 sas no.: LB89489
matrix: WATER sample id: I4736-13 client id: TWP-37MSD
Percent Solids for Sample: 0 Spiked ID: I4736-13MSD 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	0.002	U	1	100		

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DUPLICATE SAMPLE SUMMARY

Client: LB89489 **Level:** LOW **SDG No.:** LB89489
Contract: **Lab Code:** CHEM **Case No.:** LB89489 **SAS No.:** LB89489
Matrix: WATER **Sample ID:** I4736-13 **Client ID:** TWP-37DUP
Percent Solids for Sample: 0 **Duplicate ID** I4736-13DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/L	20	0.002	U	-0.0028	U			



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DUPLICATE SAMPLE SUMMARY

Client: LB89489 Level: LOW SDG No.: LB89489
Contract: _____ Lab Code: CHEM Case No.: LB89489 SAS No.: LB89489
Matrix: WATER Sample ID: I4736-13MS Client ID: TWP-37MSD
Percent Solids for Sample: 0 Duplicate ID I4736-13MSD 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		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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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89489

SDG No.: LB89489

Contract:

Lab Code: CHEM

Case No.: LB89489

SAS No.: LB89489

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101538BS Phenolics	mg/L	1	1		100	80 - 120	