

Daily Analysis Runlog For Sequence/QC Batch ID # LB91195

Review By		Review On				
SubDirectory		LB91195		Test : Phenolics		
STD. NAME		STD REF.#				
ICAL Standard		WP59193				
ICV Standard		WP59195				
CCV Standard		WP59194				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP59192,WP58150,WP58151				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.05PPM	0.05PPM	CAL1	10/28/17 14:30		OK
2	0.1PPM	0.1PPM	CAL2	10/28/17 14:30		OK
3	0.25PPM	0.25PPM	CAL3	10/28/17 14:30		OK
4	0.50PPM	0.50PPM	CAL4	10/28/17 14:30		OK
5	1.0PPM	1.0PPM	CAL5	10/28/17 14:30		OK
6	2.0PPM	2.0PPM	CAL6	10/28/17 14:30		OK
7	ICV1	ICV1	ICV	10/28/17 15:55		OK
8	ICB1	ICB1	ICB	10/28/17 15:55		OK
9	CCV1	CCV1	CCV	10/28/17 15:56		OK
10	CCB1	CCB1	CCB	10/28/17 15:56		OK
11	PB103757BL	PB103757BL	MB	10/28/17 15:56		OK
12	PB103757BS	PB103757BS	LCS	10/28/17 15:56		OK
13	I6143-01	RLF-GW-7S	SAM	10/28/17 16:05		OK
14	I6143-01DUP	RLF-GW-7SDUP	DUP	10/28/17 16:06		OK
15	I6143-01MS	RLF-GW-7SMS	MS	10/28/17 16:06		OK
16	I6143-01MSD	RLF-GW-7SMSD	MSD	10/28/17 16:06		OK
17	I6143-02	RLF-GW-9S	SAM	10/28/17 16:06		OK
18	I6143-06	RLF-FD-01	SAM	10/28/17 16:06		OK
19	I6155-01	MH-6	SAM	10/28/17 16:06		OK
20	I6160-01	RLF-SW-1	SAM	10/28/17 16:06		OK
21	CCV2	CCV2	CCV	10/28/17 16:06		OK

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ICV Standard		WP59195				
CCV Standard		WP59194				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP59192,WP58150,WP58151				
22	CCB2	CCB2	CCB	10/28/17 16:06		OK
23	I6160-02	RLF-SW-3	SAM	10/28/17 16:06		OK
24	I6160-03	RLF-SW-4	SAM	10/28/17 16:06		OK
25	I6160-04	RLF-SW-5	SAM	10/28/17 16:11		OK
26	I6160-06	RLF-FD-02	SAM	10/28/17 16:11		OK
27	I6160-05	RLF-SW-6	SAM	10/28/17 16:11		OK
28	CCV3	CCV3	CCV	10/28/17 16:11		OK
29	CCB3	CCB3	CCB	10/28/17 16:11		OK



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-GW-7S	SDG No.:	LB91195
Lab Sample ID:	I6143-01	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	0.0022	J	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-GW-9S	SDG No.:	LB91195
Lab Sample ID:	I6143-02	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	-0.0009	U	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-FD-01	SDG No.:	LB91195
Lab Sample ID:	I6143-06	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	0.0045	J	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	MH-6	SDG No.:	LB91195
Lab Sample ID:	I6155-01	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	0.0059	J	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-1	SDG No.:	LB91195
Lab Sample ID:	I6160-01	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	-0.0019	U	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-3	SDG No.:	LB91195
Lab Sample ID:	I6160-02	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	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-4	SDG No.:	LB91195
Lab Sample ID:	I6160-03	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	-0.0003	U	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-5	SDG No.:	LB91195
Lab Sample ID:	I6160-04	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	-0.0018	U	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-6	SDG No.:	LB91195
Lab Sample ID:	I6160-05	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	-0.003	U	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02	SDG No.:	LB91195
Lab Sample ID:	I6160-06	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	-0.0028	U	1	0.002		0.05	mg/L	10/28/2017	10/28/2017	420.1



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91195	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02	SDG No.:	LB91195
Lab Sample ID:	I6160-06	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

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Phenolics	1	1	100	0	90 - 110		10/28/2017	15:55	LB91195



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91195

SDG No.: LB91195

Contract: _____ Lab Code: CHEM

Case No.: LB91195

SAS No.: LB91195

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		10/28/2017	15:56	LB91195
CCV2	Phenolics	1	1	100	0	90 - 110		10/28/2017	16:06	LB91195
CCV3	Phenolics	1	1	100	0	90 - 110		10/28/2017	16:11	LB91195



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91195 **SDG No.:** LB91195
Contract: **Lab Code:** CHEM **Case No.:** LB91195 **SAS No.:** LB91195

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	-0.0022	+/-0.05	U		0.05		10/28/2017	15:55	LB91195



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91195

SDG No.: LB91195

Contract: _____

Lab Code: CHEM

Case No.: LB91195

SAS No.: LB91195

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	-0.001	+/-0.05	U			0.05	10/28/2017	15:56	LB91195
CCB2	Phenolics	-0.0025	+/-0.05	U			0.05	10/28/2017	16:06	LB91195
CCB3	Phenolics	-0.0042	+/-0.05	U			0.05	10/28/2017	16:11	LB91195



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB91195	SDG No.:	LB91195				
Contract:		Lab Code:	CHEM	Case No.:	LB91195	SAS No.:	LB91195

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: LB91195

SDG No.: LB91195

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
PB103757BL	Phenolics	WATER -0.0012	<0.05	Batch Number: U		PB103757 0.05		Prep Date: 10/28/2017	10/28/2017 15:56	LB91195



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB91195 level: low sdg no.: LB91195
contract: lab code: CHEM case no.: LB91195 sas no.: LB91195
matrix: WATER sample id: I6143-01 client id: RLF-GW-7SMS
Percent Solids for Sample: 0 Spiked ID: I6143-01MS 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	0.89		0.0022	J	1	89		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB91195 level: low sdg no.: LB91195
contract: lab code: CHEM case no.: LB91195 sas no.: LB91195
matrix: WATER sample id: I6143-01 client id: RLF-GW-7SMSD
Percent Solids for Sample: 0 Spiked ID: I6143-01MSD 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	0.9		0.0022	J	1	90		



GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91195 **Level:** LOW **SDG No.:** LB91195
Contract: **Lab Code:** CHEM **Case No.:** LB91195 **SAS No.:** LB91195
Matrix: WATER **Sample ID:** I6143-01 **Client ID:** RLF-GW-7SDUP
Percent Solids for Sample: 0 **Duplicate ID** I6143-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/L	20	0.0022	J	0.003	J	31	*	



GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91195 **Level:** LOW **SDG No.:** LB91195
Contract: **Lab Code:** CHEM **Case No.:** LB91195 **SAS No.:** LB91195
Matrix: WATER **Sample ID:** I6143-01MS **Client ID:** RLF-GW-7SMSD
Percent Solids for Sample: 0 **Duplicate ID** I6143-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/L	20	0.89		0.9		1		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91195

SDG No.: LB91195

Contract:

Lab Code: CHEM

Case No.: LB91195

SAS No.: LB91195

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB103757BS Phenolics	mg/L	1	1		100	80 - 120	