

Daily Analysis Runlog For Sequence/QC Batch ID # LB90257

Review By		Review On				
SubDirectory		LB90257		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58170,WP58171,WP58172,WP58173,WP58174,WP58175,WP58168				
ICV Standard		WP58176				
CCV Standard		WP58178				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58177,WP55355,WP55836				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/22/17 09:13		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/22/17 09:13		OK
3	10PPBCN	10PPBCN	CAL3	09/22/17 09:13		OK
4	50PPBCN	50PPBCN	CAL4	09/22/17 09:13		OK
5	100PPBCN	100PPBCN	CAL5	09/22/17 09:13		OK
6	250PPBCN	250PPBCN	CAL6	09/22/17 09:13		OK
7	500PPBCN	500PPBCN	CAL7	09/22/17 09:13		OK
8	ICV1	ICV1	ICV	09/22/17 12:53		OK
9	ICB1	ICB1	ICB	09/22/17 12:53		OK
10	CCV1	CCV1	CCV	09/22/17 12:54		OK
11	CCB1	CCB1	CCB	09/22/17 12:54		OK
12	PB102539BL	PB102539BL	MB	09/22/17 12:54		OK
13	I5361-03	DRUM-A-B-COMP	SAM	09/22/17 12:54		OK
14	I5361-03DUP	DRUM-A-B-COMPDU	DUP	09/22/17 12:54		OK
15	I5365-02	GROUND-WATER	SAM	09/22/17 12:58		OK
16	I5368-02	F1123	SAM	09/22/17 12:58		OK
17	I5369-02	N4-1824	SAM	09/22/17 12:58		OK
18	CCV2	CCV2	CCV	09/22/17 12:58		OK
19	CCB2	CCB2	CCB	09/22/17 12:58		OK



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Report of Analysis

Client:		Date Collected:	9/21/2017 12:00:00 AM
Project:	LB90257	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	DRUM-A-B-COMP	SDG No.:	LB90257
Lab Sample ID:	I5361-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0012	U	1	0.0025		0.005	mg/L	09/22/2017	09/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/21/2017 12:00:00 AM
Project:	LB90257	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	GROUND-WATER	SDG No.:	LB90257
Lab Sample ID:	I5365-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0013	U	1	0.0025		0.005	mg/L	09/22/2017	09/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/21/2017 12:00:00 AM
Project:	LB90257	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	F1123	SDG No.:	LB90257
Lab Sample ID:	I5368-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0009	U	1	0.0025		0.005	mg/L	09/22/2017	09/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/21/2017 12:00:00 AM
Project:	LB90257	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	N4-1824	SDG No.:	LB90257
Lab Sample ID:	I5369-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00081	U	1	0.0025		0.005	mg/L	09/22/2017	09/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/21/2017 12:00:00 AM
Project:	LB90257	Date Received:	9/21/2017 12:00:00 AM
Client Sample ID:	N4-1824	SDG No.:	LB90257
Lab Sample ID:	I5369-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB90257

SDG No.: LB90257

Contract: _____ Lab Code: CHEM

Case No.: LB90257

SAS No.: LB90257

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	Reactive Cyanide	0.096	0.099	97	0	85 - 115		09/22/2017	12:53	LB90257



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90257

SDG No.: LB90257

Contract: _____ Lab Code: CHEM

Case No.: LB90257

SAS No.: LB90257

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	Reactive Cyanide	0.25	0.25	100	0	90 - 110		09/22/2017	12:54	LB90257
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		09/22/2017	12:58	LB90257



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90257

SDG No.: LB90257

Contract:

Lab Code: CHEM

Case No.: LB90257

SAS No.: LB90257

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00074	+/-0.005	U		0.005		09/22/2017	12:53	LB90257



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90257

SDG No.: LB90257

Contract:

Lab Code: CHEM

Case No.: LB90257

SAS No.: LB90257

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00074	+/-0.005	U		0.005		09/22/2017	12:54	LB90257
CCB2	Reactive Cyanide	0.0011	+/-0.005	U		0.005		09/22/2017	12:58	LB90257



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90257

SDG No.: LB90257

Contract: Lab Code: CHEM

Case No.: LB90257

SAS No.: LB90257

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: LB90257

SDG No.: LB90257

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
PB102539BL	Reactive Cyanide	WATER 0	<0.005	Batch Number: U		PB102539 0.005		Prep Date: 09/22/2017	09/22/2017 12:54	LB90257

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DUPLICATE SAMPLE SUMMARY

Client: LB90257 **Level:** LOW **SDG No.:** LB90257
Contract: **Lab Code:** CHEM **Case No.:** LB90257 **SAS No.:** LB90257
Matrix: WATER **Sample ID:** I5361-03 **Client ID:** DRUM-A-B-COMPDUP
Percent Solids for Sample: 0 **Duplicate ID** I5361-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	-0.0016	U			