

Daily Analysis Runlog For Sequence/QC Batch ID # LB89369

Review By		Review On				
SubDirectory		LB89369		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP57113,WP57114,WP57115,WP57116,WP57117,WP57118,WP57119,WP57120				
ICV Standard		WP57101				
CCV Standard		WP57100				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57098,WP55355,WP55836				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/09/17 11:35		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/09/17 11:35		OK
3	10PPBCN	10PPBCN	CAL3	08/09/17 11:35		OK
4	50PPBCN	50PPBCN	CAL4	08/09/17 11:35		OK
5	100PPBCN	100PPBCN	CAL5	08/09/17 11:35		OK
6	250PPBCN	250PPBCN	CAL6	08/09/17 11:35		OK
7	500PPBCN	500PPBCN	CAL7	08/09/17 11:35		OK
8	ICV1	ICV1	ICV	08/09/17 13:20		OK
9	ICB1	ICB1	ICB	08/09/17 13:20		OK
10	CCV1	CCV1	CCV	08/09/17 13:20		OK
11	CCB1	CCB1	CCB	08/09/17 13:20		OK
12	PB101380BL	PB101380BL	MB	08/09/17 13:20		OK
13	I4666-03	RO-124019-72-12014	SAM	08/09/17 13:20		OK
14	I4666-03DUP	RO-124019-72-12014	DUP	08/09/17 13:26		OK
15	I4681-07	SB-17-COMP	SAM	08/09/17 13:26		OK
16	I4681-08	SB-18-COMP	SAM	08/09/17 13:26		OK
17	I4681-09	SB-09-COMP	SAM	08/09/17 13:26		OK
18	CCV2	CCV2	CCV	08/09/17 13:26		OK
19	CCB2	CCB2	CCB	08/09/17 13:26		OK



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Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89369	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	RO-124019-72-12014	SDG No.:	LB89369
Lab Sample ID:	I4666-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.014	U	1	0.025		0.05	mg/Kg	08/09/2017	08/09/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/8/2017 12:00:00 AM
Project:	LB89369	Date Received:	8/8/2017 12:00:00 AM
Client Sample ID:	SB-17-COMP	SDG No.:	LB89369
Lab Sample ID:	I4681-07	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.015	U	1	0.025		0.05	mg/Kg	08/09/2017	08/09/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/8/2017 12:00:00 AM
Project:	LB89369	Date Received:	8/8/2017 12:00:00 AM
Client Sample ID:	SB-18-COMP	SDG No.:	LB89369
Lab Sample ID:	I4681-08	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.012	U	1	0.025		0.05	mg/Kg	08/09/2017	08/09/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/8/2017 12:00:00 AM
Project:	LB89369	Date Received:	8/8/2017 12:00:00 AM
Client Sample ID:	SB-09-COMP	SDG No.:	LB89369
Lab Sample ID:	I4681-09	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0097	U	1	0.025		0.05	mg/Kg	08/09/2017	08/09/2017	9012B



Report of Analysis

Client:		Date Collected:	8/8/2017 12:00:00 AM
Project:	LB89369	Date Received:	8/8/2017 12:00:00 AM
Client Sample ID:	SB-09-COMP	SDG No.:	LB89369
Lab Sample ID:	I4681-09	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89369

SDG No.: LB89369

Contract: _____

Lab Code: CHEM

Case No.: LB89369

SAS No.: LB89369

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	0.095	0.099	96	0	85 - 115		08/09/2017	13:20	LB89369



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89369

SDG No.: LB89369

Contract:

Lab Code: CHEM

Case No.: LB89369

SAS No.: LB89369

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00093	+/-0.005	U		0.005		08/09/2017	13:20	LB89369



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89369

SDG No.: LB89369

Contract:

Lab Code: CHEM

Case No.: LB89369

SAS No.: LB89369

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00048	+/-0.005	U		0.005		08/09/2017	13:20	LB89369
CCB2	Reactive Cyanide	-0.00063	+/-0.005	U		0.005		08/09/2017	13:26	LB89369



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89369

SDG No.: LB89369

Contract: Lab Code: CHEM

Case No.: LB89369

SAS No.: LB89369

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: LB89369

SDG No.: LB89369

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
PB101380BL	Reactive Cyanide	SOLID -0.0077	<0.05	Batch Number: U		PB101380 0.05		Prep Date: 08/09/2017	08/09/2017 13:20	LB89369

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DUPLICATE SAMPLE SUMMARY

Client: LB89369 **Level:** LOW **SDG No.:** LB89369
Contract: **Lab Code:** CHEM **Case No.:** LB89369 **SAS No.:** LB89369
Matrix: Solid **Sample ID:** I4666-03 **Client ID:** RO-124019-72-12014DUP
Percent Solids for Sample: 100 **Duplicate ID** I4666-03DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.018	U			