

Daily Analysis Runlog For Sequence/QC Batch ID # LB89786

Review By		Review On				
SubDirectory		LB89786		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP57578,WP57579,WP57580,WP57581,WP57582,WP57583,WP57584,WP57585				
ICV Standard		wp57588				
CCV Standard		wp57587				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		wp57586,wp55355,wp55836				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/30/17 08:42		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/30/17 08:42		OK
3	10PPBCN	10PPBCN	CAL3	08/30/17 08:42		OK
4	50PPBCN	50PPBCN	CAL4	08/30/17 08:42		OK
5	100PPBCN	100PPBCN	CAL5	08/30/17 08:42		OK
6	250PPBCN	250PPBCN	CAL6	08/30/17 08:42		OK
7	500PPBCN	500PPBCN	CAL7	08/30/17 08:42		OK
8	ICV1	ICV1	ICV	08/30/17 11:07		OK
9	ICB1	ICB1	ICB	08/30/17 11:07		OK
10	CCV1	CCV1	CCV	08/30/17 11:07		OK
11	CCB1	CCB1	CCB	08/30/17 11:07		OK
12	PB101910BL	PB101910BL	MB	08/30/17 11:07		OK
13	I5006-05	SB-10-COMP	SAM	08/30/17 11:07		OK
14	I5006-05DUP	SB-10-COMPDUP	DUP	08/30/17 11:07		OK
15	I5006-06	SB-14-COMP	SAM	08/30/17 11:07		OK
16	I5007-03	TR-05-082817	SAM	08/30/17 11:07		OK
17	I5008-03	NB-08-082817-A	SAM	08/30/17 11:07		OK
18	I5008-06	NB-08-082817-B	SAM	08/30/17 11:07		OK
19	CCV2	CCV2	CCV	08/30/17 11:11		OK
20	CCB2	CCB2	CCB	08/30/17 11:11		OK



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89786	Date Received:	8/28/2017 12:00:00 AM
Client Sample ID:	SB-10-COMP	SDG No.:	LB89786
Lab Sample ID:	I5006-05	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	-0.0082	U	1	0.025		0.05	mg/Kg	08/29/2017	08/30/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89786	Date Received:	8/28/2017 12:00:00 AM
Client Sample ID:	SB-14-COMP	SDG No.:	LB89786
Lab Sample ID:	I5006-06	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	-0.0037	U	1	0.025		0.05	mg/Kg	08/29/2017	08/30/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB89786	Date Received:	8/28/2017 12:00:00 AM
Client Sample ID:	TR-05-082817	SDG No.:	LB89786
Lab Sample ID:	I5007-03	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	-0.003	U	1	0.025		0.05	mg/Kg	08/29/2017	08/30/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB89786	Date Received:	8/28/2017 12:00:00 AM
Client Sample ID:	NB-08-082817-A	SDG No.:	LB89786
Lab Sample ID:	I5008-03	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	-0.0043	U	1	0.025		0.05	mg/Kg	08/29/2017	08/30/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB89786	Date Received:	8/28/2017 12:00:00 AM
Client Sample ID:	NB-08-082817-B	SDG No.:	LB89786
Lab Sample ID:	I5008-06	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	-0.0069	U	1	0.025		0.05	mg/Kg	08/29/2017	08/30/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/28/2017 12:00:00 AM
Project:	LB89786	Date Received:	8/28/2017 12:00:00 AM
Client Sample ID:	NB-08-082817-B	SDG No.:	LB89786
Lab Sample ID:	I5008-06	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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89786

SDG No.: LB89786

Contract: _____ Lab Code: CHEM

Case No.: LB89786

SAS No.: LB89786

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		08/30/2017	11:07	LB89786
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		08/30/2017	11:11	LB89786



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89786 **SDG No.:** LB89786
Contract: **Lab Code:** CHEM **Case No.:** LB89786 **SAS No.:** LB89786

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0002	+/-0.005	U		0.005		08/30/2017	11:07	LB89786



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89786

SDG No.: LB89786

Contract:

Lab Code: CHEM

Case No.: LB89786

SAS No.: LB89786

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0	+/-0.005	U		0.005		08/30/2017	11:07	LB89786
CCB2	Reactive Cyanide	-0.00065	+/-0.005	U		0.005		08/30/2017	11:11	LB89786



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB89786

SDG No.:

LB89786

Contract:

Lab Code:

CHEM

Case No.:

LB89786

SAS No.:

LB89786

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: LB89786

SDG No.: LB89786

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
PB101910BL	Reactive Cyanide	SOLID -0.0042	<0.05	Batch Number: U		PB101910 0.05		Prep Date: 08/30/2017	08/29/2017 11:07	LB89786

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB89786 **Level:** LOW **SDG No.:** LB89786
Contract: **Lab Code:** CHEM **Case No.:** LB89786 **SAS No.:** LB89786
Matrix: Solid **Sample ID:** I5006-05 **Client ID:** SB-10-COMPDUP
Percent Solids for Sample: 100 **Duplicate ID** I5006-05DUP **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	-0.0087	U			