

Daily Analysis Runlog For Sequence/QC Batch ID # LB88749

Review By		Review On				
SubDirectory		LB88749		Test : Reactive Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP56473,WP56474,WP56475,WP56476,WP56478,WP56479
ICV Standard	WP56482
CCV Standard	WP56481
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP56480,WP55836,WP55355

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	07/17/17 11:21		OK
2	5.0PPBCN	5.0PPBCN	CAL2	07/17/17 11:21		OK
3	10PPBCN	10PPBCN	CAL3	07/17/17 11:21		OK
4	50PPBCN	50PPBCN	CAL4	07/17/17 11:21		OK
5	100PPBCN	100PPBCN	CAL5	07/17/17 11:21		OK
6	250PPBCN	250PPBCN	CAL6	07/17/17 11:21		OK
7	500PPBCN	500PPBCN	CAL7	07/17/17 11:21		OK
8	ICV1	ICV1	ICV	07/17/17 16:04		OK
9	ICB1	ICB1	ICB	07/17/17 16:04		OK
10	CCV1	CCV1	CCV	07/17/17 16:05		OK
11	CCB1	CCB1	CCB	07/17/17 16:05		OK
12	PB100685BL	PB100685BL	MB	07/17/17 16:05		OK
13	I4203-14	DL-SB02A	SAM	07/17/17 16:05		OK
14	I4203-14DUP	DL-SB02ADUP	DUP	07/17/17 16:05		OK
15	I4203-15	NB-SB02B	SAM	07/17/17 16:05		OK
16	I4203-16	NB-SB03A	SAM	07/17/17 16:05		OK
17	CCV2	CCV2	CCV	07/17/17 16:05		OK
18	CCB2	CCB2	CCB	07/17/17 16:05		OK



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88749	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	DL-SB02A	SDG No.:	LB88749
Lab Sample ID:	I4203-14	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	0.0047	U	1	0.025		0.05	mg/Kg	07/17/2017	07/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88749	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	NB-SB02B	SDG No.:	LB88749
Lab Sample ID:	I4203-15	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	0.004	U	1	0.025		0.05	mg/Kg	07/17/2017	07/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88749	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	NB-SB03A	SDG No.:	LB88749
Lab Sample ID:	I4203-16	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	0.0076	U	1	0.025		0.05	mg/Kg	07/17/2017	07/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88749	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	NB-SB03A	SDG No.:	LB88749
Lab Sample ID:	I4203-16	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

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Reactive Cyanide	0.094	0.099	94.9	0	85 - 115		07/17/2017	16:04	LB88749



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88749

SDG No.: LB88749

Contract: _____ Lab Code: CHEM

Case No.: LB88749

SAS No.: LB88749

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	0.24	0.25	96	0	90 - 110		07/17/2017	16:05	LB88749
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		07/17/2017	16:05	LB88749



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88749

SDG No.: LB88749

Contract:

Lab Code: CHEM

Case No.: LB88749

SAS No.: LB88749

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0012	+/-0.005	U		0.005		07/17/2017	16:04	LB88749



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88749

SDG No.: LB88749

Contract:

Lab Code: CHEM

Case No.: LB88749

SAS No.: LB88749

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0016	+/-0.005	U		0.005		07/17/2017	16:05	LB88749
CCB2	Reactive Cyanide	0.0017	+/-0.005	U		0.005		07/17/2017	16:05	LB88749



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88749

SDG No.: LB88749

Contract: Lab Code: CHEM

Case No.: LB88749

SAS No.: LB88749

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: LB88749

SDG No.: LB88749

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
PB100685BL	Reactive Cyanide	SOLID 0.014	<0.05	Batch Number: U		PB100685 0.05		Prep Date: 07/17/2017	07/17/2017 16:05	LB88749

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DUPLICATE SAMPLE SUMMARY

Client: LB88749 **Level:** LOW **SDG No.:** LB88749
Contract: **Lab Code:** CHEM **Case No.:** LB88749 **SAS No.:** LB88749
Matrix: Solid **Sample ID:** I4203-14 **Client ID:** DL-SB02ADUP
Percent Solids for Sample: 100 **Duplicate ID** I4203-14DUP **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	0.0059	U			