

Daily Analysis Runlog For Sequence/QC Batch ID # LB88274

Review By

Review On

SubDirectory

LB88274

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP55856,WP55857,WP55858,WP55859,WP55860,WP55861,WP55862,WP55863,WP55864
ICV Standard	WP55867
CCV Standard	WP55866
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP55865,WP55836,WP55355

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/22/17 09:14		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/22/17 09:14		OK
3	10PPBCN	10PPBCN	CAL3	06/22/17 09:14		OK
4	50PPBCN	50PPBCN	CAL4	06/22/17 09:14		OK
5	100PPBCN	100PPBCN	CAL5	06/22/17 09:14		OK
6	250PPBCN	250PPBCN	CAL6	06/22/17 09:14		OK
7	500PPBCN	500PPBCN	CAL7	06/22/17 09:14		OK
8	ICV1	ICV1	ICV	06/22/17 10:54		OK
9	ICB1	ICB1	ICB	06/22/17 10:54		OK
10	CCV1	CCV1	CCV	06/22/17 10:54		OK
11	CCB1	CCB1	CCB	06/22/17 10:54		OK
12	PB100027BL	PB100027BL	MB	06/22/17 10:54		OK
13	I3792-03	OR-03-061917	SAM	06/22/17 10:54		OK
14	I3792-03DUP	OR-03-061917DUP	DUP	06/22/17 10:54		OK
15	I3799-16	SB-02-COMP	SAM	06/22/17 10:54		OK
16	I3799-17	SB-03-COMP	SAM	06/22/17 10:54		OK
17	I3799-18	SB-04-COMP	SAM	06/22/17 10:54		OK
18	I3799-19	SB-05-COMP	SAM	06/22/17 10:54		OK
19	I3799-20	SB-06-COMP	SAM	06/22/17 11:00		OK
20	I3799-21	SB-07-COMP	SAM	06/22/17 11:00		OK
21	I3799-22	SB-08-COMP	SAM	06/22/17 11:00		OK



Instrument ID : KONELAB

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QC Batch ID # LB88274

Review By		Review On				
SubDirectory		LB88274		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP55856,WP55857,WP55858,WP55859,WP55860,WP55861,WP55862,WP55863,WP55864				
ICV Standard		WP55867				
CCV Standard		WP55866				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55865,WP55836,WP55355				
22	CCV2	CCV2	CCV	06/22/17 11:00		OK
23	CCB2	CCB2	CCB	06/22/17 11:00		OK
24	I3802-03	OK-02-062017	SAM	06/22/17 11:00		OK
25	CCV3	CCV3	CCV	06/22/17 11:00		OK
26	CCB3	CCB3	CCB	06/22/17 11:00		OK



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Report of Analysis

Client:		Date Collected:	6/19/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/19/2017 12:00:00 AM
Client Sample ID:	OR-03-061917	SDG No.:	LB88274
Lab Sample ID:	I3792-03	Matrix:	Solid
Level (low/med):	low	% Solid:	91.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.007	U	1	0.025		0.05	mg/Kg	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/19/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	SB-02-COMP	SDG No.:	LB88274
Lab Sample ID:	I3799-16	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	-0.0053	U	1	0.025		0.05	mg/Kg	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/19/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	SB-03-COMP	SDG No.:	LB88274
Lab Sample ID:	I3799-17	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	-0.0053	U	1	0.025		0.05	mg/Kg	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/19/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	SB-04-COMP	SDG No.:	LB88274
Lab Sample ID:	I3799-18	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	-0.0044	U	1	0.025		0.05	mg/Kg	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	SB-05-COMP	SDG No.:	LB88274
Lab Sample ID:	I3799-19	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	0.013	U	1	0.025		0.05	mg/Kg	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	SB-06-COMP	SDG No.:	LB88274
Lab Sample ID:	I3799-20	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	-0.0052	U	1	0.025		0.05	mg/Kg	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	SB-07-COMP	SDG No.:	LB88274
Lab Sample ID:	I3799-21	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	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	SB-08-COMP	SDG No.:	LB88274
Lab Sample ID:	I3799-22	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	-0.0066	U	1	0.025		0.05	mg/Kg	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	OK-02-062017	SDG No.:	LB88274
Lab Sample ID:	I3802-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0067	U	1	0.025		0.05	mg/Kg	06/22/2017	06/22/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2017 12:00:00 AM
Project:	LB88274	Date Received:	6/20/2017 12:00:00 AM
Client Sample ID:	OK-02-062017	SDG No.:	LB88274
Lab Sample ID:	I3802-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

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: LB88274

SDG No.: LB88274

Contract: _____ Lab Code: CHEM

Case No.: LB88274

SAS No.: LB88274

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		06/22/2017	10:54	LB88274



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88274

SDG No.: LB88274

Contract: _____ Lab Code: CHEM

Case No.: LB88274

SAS No.: LB88274

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		06/22/2017	10:54	LB88274
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		06/22/2017	11:00	LB88274
CCV3	Reactive Cyanide	0.25	0.25	100	0	90 - 110		06/22/2017	11:00	LB88274



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88274

SDG No.: LB88274

Contract:

Lab Code: CHEM

Case No.: LB88274

SAS No.: LB88274

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		06/22/2017	10:54	LB88274

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00012	+/-0.005	U		0.005		06/22/2017	10:54	LB88274
CCB2	Reactive Cyanide	0.00016	+/-0.005	U		0.005		06/22/2017	11:00	LB88274
CCB3	Reactive Cyanide	-0.0002	+/-0.005	U		0.005		06/22/2017	11:00	LB88274



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88274

SDG No.: LB88274

Contract: Lab Code: CHEM

Case No.: LB88274

SAS No.: LB88274

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: LB88274

SDG No.: LB88274

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
PB100027BL		SOLID		Batch Number:		PB100027		Prep Date:	06/22/2017	
	Reactive Cyanide	-0.00094	<0.05	U		0.05		06/22/2017	10:54	LB88274

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB88274 **Level:** LOW **SDG No.:** LB88274
Contract: **Lab Code:** CHEM **Case No.:** LB88274 **SAS No.:** LB88274
Matrix: Solid **Sample ID:** I3792-03 **Client ID:** OR-03-061917DUP
Percent Solids for Sample: 91.9 **Duplicate ID** I3792-03DUP **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.0072	U			