

Daily Analysis Runlog For Sequence/QC Batch ID # LB87915

Review By

Review On

SubDirectory

LB87915

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP55447,WP55448,WP55449,WP55450,WP55451,WP55452,WP55453,WP55454
ICV Standard	WP55457
CCV Standard	WP55456
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP55455,WP51626,WP55355

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/07/17 09:25		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/07/17 09:25		OK
3	10PPBCN	10PPBCN	CAL3	06/07/17 09:25		OK
4	50PPBCN	50PPBCN	CAL4	06/07/17 09:25		OK
5	100PPBCN	100PPBCN	CAL5	06/07/17 09:25		OK
6	250PPBCN	250PPBCN	CAL6	06/07/17 09:25		OK
7	500PPBCN	500PPBCN	CAL7	06/07/17 09:25		OK
8	ICV1	ICV1	ICV	06/07/17 11:51		OK
9	ICB1	ICB1	ICB	06/07/17 11:51		OK
10	CCV1	CCV1	CCV	06/07/17 11:51		OK
11	CCB1	CCB1	CCB	06/07/17 11:51		OK
12	PB99526BL	PB99526BL	MB	06/07/17 11:51		OK
13	I3469-14	SB-6(8-10)20170603	SAM	06/07/17 11:51		OK
14	I3469-14DUP	SB-6(8-10)20170603	DUP	06/07/17 11:51		OK
15	I3478-03	146-COMP	SAM	06/07/17 11:51		OK
16	I3478-07	337-COMP	SAM	06/07/17 11:51		OK
17	I3478-11	343-COMP	SAM	06/07/17 11:51		OK
18	I3478-15	155-COMP	SAM	06/07/17 11:51		OK
19	I3478-19	159-COMP	SAM	06/07/17 11:58		OK
20	I3479-24	SB-5(0-2)20170604	SAM	06/07/17 11:58		OK
21	I3481-03	SU-04-060517	SAM	06/07/17 11:58		OK

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LB87915						
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ICV Standard	WP55457					
CCV Standard	WP55456					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP55455,WP51626,WP55355					
22	CCV2	CCV2	CCV	06/07/17 11:58		OK
23	CCB2	CCB2	CCB	06/07/17 11:58		OK
24	I3482-03	CL-01-060517-A	SAM	06/07/17 11:59		OK
25	I3482-06	CL-01-060517-B	SAM	06/07/17 11:59		OK
26	I3482-09	CL-01-060517-C	SAM	06/07/17 11:59		OK
27	I3482-12	CL-01-060517-D	SAM	06/07/17 11:59		OK
28	I3482-15	CL-01-060517-E	SAM	06/07/17 11:59		OK
29	CCV3	CCV3	CCV	06/07/17 11:59		OK
30	CCB3	CCB3	CCB	06/07/17 12:01		OK



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Report of Analysis

Client:		Date Collected:	6/3/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	SB-6(8-10)20170603	SDG No.:	LB87915
Lab Sample ID:	I3469-14	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	0.011	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	146-COMP	SDG No.:	LB87915
Lab Sample ID:	I3478-03	Matrix:	Solid
Level (low/med):	low	% Solid:	91.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0084	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	337-COMP	SDG No.:	LB87915
Lab Sample ID:	I3478-07	Matrix:	Solid
Level (low/med):	low	% Solid:	87.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0036	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	343-COMP	SDG No.:	LB87915
Lab Sample ID:	I3478-11	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	0.042	J	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	155-COMP	SDG No.:	LB87915
Lab Sample ID:	I3478-15	Matrix:	Solid
Level (low/med):	low	% Solid:	93.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.01	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	159-COMP	SDG No.:	LB87915
Lab Sample ID:	I3478-19	Matrix:	Solid
Level (low/med):	low	% Solid:	94.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0029	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/4/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	SB-5(0-2)20170604	SDG No.:	LB87915
Lab Sample ID:	I3479-24	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	0.00039	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B

Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	SU-04-060517	SDG No.:	LB87915
Lab Sample ID:	I3481-03	Matrix:	Solid
Level (low/med):	low	% Solid:	84.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.011	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B

Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	CL-01-060517-A	SDG No.:	LB87915
Lab Sample ID:	I3482-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0032	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	CL-01-060517-B	SDG No.:	LB87915
Lab Sample ID:	I3482-06	Matrix:	Solid
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0061	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	CL-01-060517-C	SDG No.:	LB87915
Lab Sample ID:	I3482-09	Matrix:	Solid
Level (low/med):	low	% Solid:	90.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0071	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	CL-01-060517-D	SDG No.:	LB87915
Lab Sample ID:	I3482-12	Matrix:	Solid
Level (low/med):	low	% Solid:	91.3

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	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	CL-01-060517-E	SDG No.:	LB87915
Lab Sample ID:	I3482-15	Matrix:	Solid
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0061	U	1	0.025		0.05	mg/Kg	06/06/2017	06/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/5/2017 12:00:00 AM
Project:	LB87915	Date Received:	6/5/2017 12:00:00 AM
Client Sample ID:	CL-01-060517-E	SDG No.:	LB87915
Lab Sample ID:	I3482-15	Matrix:	Solid
Level (low/med):	low	% Solid:	94.4

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: LB87915

SDG No.: LB87915

Contract: _____ Lab Code: CHEM

Case No.: LB87915 SAS No.: LB87915

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	0.093	0.099	93.9	0	85 - 115		06/07/2017	11:51	LB87915



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87915

SDG No.: LB87915

Contract: _____ Lab Code: CHEM

Case No.: LB87915

SAS No.: LB87915

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		06/07/2017	11:51	LB87915
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		06/07/2017	11:58	LB87915
CCV3	Reactive Cyanide	0.24	0.25	96	0	90 - 110		06/07/2017	11:59	LB87915



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87915

SDG No.: LB87915

Contract:

Lab Code: CHEM

Case No.: LB87915

SAS No.: LB87915

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0019	+/-0.005	U		0.005		06/07/2017	11:51	LB87915



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87915

SDG No.: LB87915

Contract:

Lab Code: CHEM

Case No.: LB87915

SAS No.: LB87915

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0012	+/-0.005	U		0.005		06/07/2017	11:51	LB87915
CCB2	Reactive Cyanide	0.001	+/-0.005	U		0.005		06/07/2017	11:58	LB87915
CCB3	Reactive Cyanide	0.00077	+/-0.005	U		0.005		06/07/2017	12:01	LB87915



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87915

SDG No.: LB87915

Contract: Lab Code: CHEM

Case No.: LB87915

SAS No.: LB87915

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: LB87915

SDG No.: LB87915

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
PB99526BL	Reactive Cyanide	SOLID 0.0075	<0.05	Batch Number: U		PB99526 0.05		Prep Date: 06/07/2017	06/06/2017 11:51	LB87915

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB87915 **Level:** LOW **SDG No.:** LB87915
Contract: **Lab Code:** CHEM **Case No.:** LB87915 **SAS No.:** LB87915
Matrix: Solid **Sample ID:** I3469-14 **Client ID:** SB-6(8-10)20170603DUP
Percent Solids for Sample: 100 **Duplicate ID** I3469-14DUP **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	0.0063	U			