

Daily Analysis Runlog For Sequence/QC Batch ID # LB91720

Review By

Review On

SubDirectory

LB91720

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP59789,WP59790,WP59791,WP59792,WP59793,WP59794,WP59795
ICV Standard	WP59798
CCV Standard	WP59796
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP55836,WP55355,WP59797

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/21/17 12:09		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/21/17 12:09		OK
3	10PPBCN	10PPBCN	CAL3	11/21/17 12:09		OK
4	50PPBCN	50PPBCN	CAL4	11/21/17 12:09		OK
5	100PPBCN	100PPBCN	CAL5	11/21/17 12:10		OK
6	250PPBCN	250PPBCN	CAL6	11/21/17 12:10		OK
7	500PPBCN	500PPBCN	CAL7	11/21/17 12:10		OK
8	ICV1	ICV1	ICV	11/21/17 13:10		OK
9	ICB1	ICB1	ICB	11/21/17 13:10		OK
10	CCV1	CCV1	CCV	11/21/17 13:10		OK
11	CCB1	CCB1	CCB	11/21/17 13:10		OK
12	PB104454BL	PB104454BL	MB	11/21/17 13:10		OK
13	I6305-12	PL-02-112017-A	SAM	11/21/17 13:10		OK
14	I6305-12DUP	PL-02-112017-ADUP	DUP	11/21/17 13:10		OK
15	I6305-14	PL-02-112017-B	SAM	11/21/17 13:10		OK
16	I6305-16	PL-02-112017-C	SAM	11/21/17 13:17		OK
17	I6310-06	AU-05-112017-A	SAM	11/21/17 13:17		OK
18	I6310-08	AU-05-112017-B	SAM	11/21/17 13:17		OK
19	I6557-02	RT-3407-RT-1867-20	SAM	11/21/17 13:17		OK
20	I6565-04	RT-3874	SAM	11/21/17 13:17		OK
21	PB104455BL	PB104455BL	MB	11/21/17 13:17		OK

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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59797				
22	CCV2	CCV2	CCV	11/21/17 13:17		OK
23	CCB2	CCB2	CCB	11/21/17 13:17		OK
24	I6558-02	A1243	SAM	11/21/17 13:17		OK
25	I6558-02DUP	A1243DUP	DUP	11/21/17 13:17		OK
26	I6558-04	SUMP-WELL-1	SAM	11/21/17 13:17		OK
27	CCV3	CCV3	CCV	11/21/17 13:21		OK
28	CCB3	CCB3	CCB	11/21/17 13:21		OK



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	PL-02-112017-A	SDG No.:	LB91720
Lab Sample ID:	I6305-12	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	-0.0018	U	1	0.025		0.05	mg/Kg	11/21/2017	11/21/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	PL-02-112017-B	SDG No.:	LB91720
Lab Sample ID:	I6305-14	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	-0.0013	U	1	0.025		0.05	mg/Kg	11/21/2017	11/21/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	PL-02-112017-C	SDG No.:	LB91720
Lab Sample ID:	I6305-16	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	-0.0014	U	1	0.025		0.05	mg/Kg	11/21/2017	11/21/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	AU-05-112017-A	SDG No.:	LB91720
Lab Sample ID:	I6310-06	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	0.0036	U	1	0.025		0.049	mg/Kg	11/21/2017	11/21/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	AU-05-112017-B	SDG No.:	LB91720
Lab Sample ID:	I6310-08	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	-0.00031	U	1	0.025		0.05	mg/Kg	11/21/2017	11/21/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	RT-3407-RT-1867-2077	SDG No.:	LB91720
Lab Sample ID:	I6557-02	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	-0.00029	U	1	0.025		0.05	mg/Kg	11/21/2017	11/21/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	A1243	SDG No.:	LB91720
Lab Sample ID:	I6558-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00012	U	1	0.0025		0.005	mg/L	11/21/2017	11/21/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	SUMP-WELL-1	SDG No.:	LB91720
Lab Sample ID:	I6558-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0	U	1	0.0025		0.005	mg/L	11/21/2017	11/21/2017	9012B



Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	RT-3874	SDG No.:	LB91720
Lab Sample ID:	I6565-04	Matrix:	Solid
Level (low/med):	low	% Solid:	84.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0028	U	1	0.025		0.05	mg/Kg	11/21/2017	11/21/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91720	Date Received:	11/20/2017 12:00:00 AM
Client Sample ID:	RT-3874	SDG No.:	LB91720
Lab Sample ID:	I6565-04	Matrix:	Solid
Level (low/med):	low	% Solid:	84.1

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: LB91720

SDG No.: LB91720

Contract: _____ Lab Code: CHEM

Case No.: LB91720

SAS No.: LB91720

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		11/21/2017	13:10	LB91720
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		11/21/2017	13:17	LB91720
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		11/21/2017	13:21	LB91720



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91720

SDG No.: LB91720

Contract:

Lab Code: CHEM

Case No.: LB91720

SAS No.: LB91720

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00046	+/-0.005	U		0.005		11/21/2017	13:10	LB91720



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91720

SDG No.: LB91720

Contract:

Lab Code: CHEM

Case No.: LB91720

SAS No.: LB91720

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00038	+/-0.005	U		0.005		11/21/2017	13:10	LB91720
CCB2	Reactive Cyanide	0.00033	+/-0.005	U		0.005		11/21/2017	13:17	LB91720
CCB3	Reactive Cyanide	0.00048	+/-0.005	U		0.005		11/21/2017	13:21	LB91720



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91720

SDG No.: LB91720

Contract: Lab Code: CHEM

Case No.: LB91720

SAS No.: LB91720

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: LB91720

SDG No.: LB91720

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
PB104454BL	Reactive Cyanide	SOLID	<0.05	Batch Number:	PB104454			Prep Date:	11/21/2017	
		0.0023		U	0.05			11/21/2017	13:10	LB91720
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB104455BL	Reactive Cyanide	WATER	<0.005	Batch Number:	PB104455			Prep Date:	11/21/2017	
		0.00018		U	0.005			11/21/2017	13:17	LB91720

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DUPLICATE SAMPLE SUMMARY

Client: LB91720 **Level:** LOW **SDG No.:** LB91720
Contract: **Lab Code:** CHEM **Case No.:** LB91720 **SAS No.:** LB91720
Matrix: Solid **Sample ID:** I6305-12 **Client ID:** PL-02-112017-ADUP
Percent Solids for Sample: 100 **Duplicate ID** I6305-12DUP **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	-0.0016	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB91720 **Level:** LOW **SDG No.:** LB91720
Contract: **Lab Code:** CHEM **Case No.:** LB91720 **SAS No.:** LB91720
Matrix: WATER **Sample ID:** I6558-02 **Client ID:** A1243DUP
Percent Solids for Sample: 0 **Duplicate ID** I6558-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U		0	U		