

Daily Analysis Runlog For Sequence/QC Batch ID # LB92685

Review By		Review On				
SubDirectory		LB92685		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61060,WP61061,WP61062,WP61063,WP61064,WP61065,WP61066				
ICV Standard		WP61068				
CCV Standard		WP61067				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61069,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/18/18 09:18		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/18/18 09:18		OK
3	10PPBCN	10PPBCN	CAL3	01/18/18 09:18		OK
4	50PPBCN	50PPBCN	CAL4	01/18/18 09:18		OK
5	100PPBCN	100PPBCN	CAL5	01/18/18 09:18		OK
6	250PPBCN	250PPBCN	CAL6	01/18/18 09:18		OK
7	500PPBCN	500PPBCN	CAL7	01/18/18 09:18		OK
8	ICV1	ICV1	ICV	01/18/18 12:17		OK
9	ICB1	ICB1	ICB	01/18/18 12:17		OK
10	CCV1	CCV1	CCV	01/18/18 12:17		OK
11	CCB1	CCB1	CCB	01/18/18 12:17		OK
12	PB105747BL	PB105747BL	MB	01/18/18 12:17		OK
13	J1010-07	BU-03-011718	SAM	01/18/18 12:17		OK
14	J1010-07DUP	BU-03-011718DUP	DUP	01/18/18 12:17		OK
15	J1023-04	TR-04-011718	SAM	01/18/18 12:25		OK
16	J1168-04	SB-47-COMP	SAM	01/18/18 12:25		OK
17	J1168-07	SB-57-COMP	SAM	01/18/18 12:25		OK
18	J1168-10	SB-57-COMP-DUP	SAM	01/18/18 12:25		OK
19	J1171-02	VNJ-232	SAM	01/18/18 12:25		OK
20	PB105748BL	PB105748BL	MB	01/18/18 12:25		OK
21	CCV2	CCV2	CCV	01/18/18 12:25		OK

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ICV Standard	WP61068					
CCV Standard	WP61067					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP61069,WP59958,WP60878					
22	CCB2	CCB2	CCB	01/18/18 12:25		OK
23	J1173-02	UST-1-2	SAM	01/18/18 12:25		OK
24	J1173-02DUP	UST-1-2DUP	DUP	01/18/18 12:25		OK
25	J1168-02	SB-44-COMP	SAM	01/18/18 12:39		OK
26	CCV3	CCV3	CCV	01/18/18 12:42		OK
27	CCB3	CCB3	CCB	01/18/18 12:42		OK



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Report of Analysis

Client:		Date Collected:	1/17/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	BU-03-011718	SDG No.:	LB92685
Lab Sample ID:	J1010-07	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	0.0038	U	1	0.025		0.05	mg/Kg	01/18/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/17/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	TR-04-011718	SDG No.:	LB92685
Lab Sample ID:	J1023-04	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	0.0032	U	1	0.025		0.05	mg/Kg	01/18/2018	01/18/2018	9012B

Report of Analysis

Client:		Date Collected:	1/12/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	SB-44-COMP	SDG No.:	LB92685
Lab Sample ID:	J1168-02	Matrix:	Solid
Level (low/med):	low	% Solid:	85.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0015	U	1	0.025		0.05	mg/Kg	01/18/2018	01/18/2018	9012B

Report of Analysis

Client:		Date Collected:	1/12/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	SB-47-COMP	SDG No.:	LB92685
Lab Sample ID:	J1168-04	Matrix:	Solid
Level (low/med):	low	% Solid:	88.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0045	U	1	0.025		0.05	mg/Kg	01/18/2018	01/18/2018	9012B

Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	SB-57-COMP	SDG No.:	LB92685
Lab Sample ID:	J1168-07	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	0.0039	U	1	0.025		0.05	mg/Kg	01/18/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	SB-57-COMP-DUP	SDG No.:	LB92685
Lab Sample ID:	J1168-10	Matrix:	Solid
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0031	U	1	0.025		0.05	mg/Kg	01/18/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/17/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	VNJ-232	SDG No.:	LB92685
Lab Sample ID:	J1171-02	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	0.004	U	1	0.025		0.05	mg/Kg	01/18/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/17/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	UST-1-2	SDG No.:	LB92685
Lab Sample ID:	J1173-02	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	0.00045	U	1	0.0025		0.005	mg/L	01/18/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/17/2018 12:00:00 AM
Project:	LB92685	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	UST-1-2	SDG No.:	LB92685
Lab Sample ID:	J1173-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB92685

SDG No.: LB92685

Contract: _____ Lab Code: CHEM

Case No.: LB92685

SAS No.: LB92685

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	0.097	0.099	98	0	85 - 115		01/18/2018	12:17	LB92685



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92685

SDG No.: LB92685

Contract: _____ Lab Code: CHEM

Case No.: LB92685

SAS No.: LB92685

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		01/18/2018	12:17	LB92685
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		01/18/2018	12:25	LB92685
CCV3	Reactive Cyanide	0.25	0.25	100	0	90 - 110		01/18/2018	12:42	LB92685



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92685 **SDG No.:** LB92685
Contract: **Lab Code:** CHEM **Case No.:** LB92685 **SAS No.:** LB92685

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0	+/-0.005	U		0.005		01/18/2018	12:17	LB92685

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00099	+/-0.005	U		0.005		01/18/2018	12:17	LB92685
CCB2	Reactive Cyanide	0.0011	+/-0.005	U		0.005		01/18/2018	12:25	LB92685
CCB3	Reactive Cyanide	0.00088	+/-0.005	U		0.005		01/18/2018	12:42	LB92685



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92685

SDG No.: LB92685

Contract: Lab Code: CHEM

Case No.: LB92685

SAS No.: LB92685

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: LB92685

SDG No.: LB92685

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
PB105747BL	Reactive Cyanide	SOLID		Batch Number:		PB105747		Prep Date:	01/18/2018	
		0.0073	<0.05	U		0.05		01/18/2018	12:17	LB92685
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB105748BL	Reactive Cyanide	WATER		Batch Number:		PB105748		Prep Date:	01/18/2018	
		0.00086	<0.005	U		0.005		01/18/2018	12:25	LB92685

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DUPLICATE SAMPLE SUMMARY

Client: LB92685 Level: LOW SDG No.: LB92685
Contract: _____ Lab Code: CHEM Case No.: LB92685 SAS No.: LB92685
Matrix: Solid Sample ID: J1010-07 Client ID: BU-03-011718DUP
Percent Solids for Sample: 100 Duplicate ID J1010-07DUP 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	0.0035	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB92685 **Level:** LOW **SDG No.:** LB92685
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92685 **SAS No.:** LB92685
Matrix: WATER **Sample ID:** J1173-02 **Client ID:** UST-1-2DUP
Percent Solids for Sample: 0 **Duplicate ID** J1173-02DUP **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	0.0004	U			