

Daily Analysis Runlog For Sequence/QC Batch ID # LB92853

Review By		Review On				
SubDirectory		LB92853		Test : Reactive Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP61231,WP61233,WP61234,WP61235,WP61236,WP61238,WP61239
ICV Standard	WP61242
CCV Standard	WP61241
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP61243,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/24/18 11:50		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/24/18 11:50		OK
3	10PPBCN	10PPBCN	CAL3	01/24/18 11:50		OK
4	50PPBCN	50PPBCN	CAL4	01/24/18 11:50		OK
5	100PPBCN	100PPBCN	CAL5	01/24/18 11:50		OK
6	250PPBCN	250PPBCN	CAL6	01/24/18 11:50		OK
7	500PPBCN	500PPBCN	CAL7	01/24/18 11:50		OK
8	ICV1	ICV1	ICV	01/24/18 17:08		OK
9	ICB1	ICB1	ICB	01/24/18 17:08		OK
10	CCV1	CCV1	CCV	01/24/18 17:08		OK
11	CCB1	CCB1	CCB	01/24/18 17:08		OK
12	PB105957BL	PB105957BL	MB	01/24/18 17:08		OK
13	J1279-02	PB-1(25-32)	SAM	01/24/18 17:08		OK
14	J1279-02DUP	PB-1(25-32)DUP	DUP	01/24/18 17:08		OK
15	J1281-08	SP-A	SAM	01/24/18 17:13		OK
16	PB105956BL	PB105956BL	MB	01/24/18 17:13		OK
17	J1270-01	GROUNDWATER	SAM	01/24/18 17:13		OK
18	J1270-01DUP	GROUNDWATERDU	DUP	01/24/18 17:13		OK
19	CCV2	CCV2	CCV	01/24/18 17:13		OK
20	CCB2	CCB2	CCB	01/24/18 17:13		OK



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Report of Analysis

Client:		Date Collected:	1/22/2018 12:00:00 AM
Project:	LB92853	Date Received:	1/22/2018 12:00:00 AM
Client Sample ID:	GROUNDWATER	SDG No.:	LB92853
Lab Sample ID:	J1270-01	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	-0.00023	U	1	0.0025		0.005	mg/L	01/24/2018	01/24/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/20/2018 12:00:00 AM
Project:	LB92853	Date Received:	1/22/2018 12:00:00 AM
Client Sample ID:	PB-1(25-32)	SDG No.:	LB92853
Lab Sample ID:	J1279-02	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	-0.0013	U	1	0.025		0.05	mg/Kg	01/24/2018	01/24/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/23/2018 12:00:00 AM
Project:	LB92853	Date Received:	1/23/2018 12:00:00 AM
Client Sample ID:	SP-A	SDG No.:	LB92853
Lab Sample ID:	J1281-08	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	-0.0017	U	1	0.025		0.05	mg/Kg	01/24/2018	01/24/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/23/2018 12:00:00 AM
Project:	LB92853	Date Received:	1/23/2018 12:00:00 AM
Client Sample ID:	SP-A	SDG No.:	LB92853
Lab Sample ID:	J1281-08	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92853

SDG No.: LB92853

Contract: _____ Lab Code: CHEM

Case No.: LB92853

SAS No.: LB92853

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Reactive Cyanide	0.095	0.099	96		85 - 115		01/24/2018	17:08	LB92853



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92853

SDG No.: LB92853

Contract: _____ Lab Code: CHEM

Case No.: LB92853

SAS No.: LB92853

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.24	0.25	96		90 - 110		01/24/2018	17:08	LB92853
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		01/24/2018	17:13	LB92853



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92853

SDG No.: LB92853

Contract:

Lab Code: CHEM

Case No.: LB92853

SAS No.: LB92853

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00012	+/-0.005	U		0.005		01/24/2018	17:08	LB92853



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92853

SDG No.: LB92853

Contract:

Lab Code: CHEM

Case No.: LB92853

SAS No.: LB92853

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		01/24/2018	17:08	LB92853
CCB2	Reactive Cyanide	0.0001	+/-0.005	U		0.005		01/24/2018	17:13	LB92853



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92853

SDG No.: LB92853

Contract: Lab Code: CHEM

Case No.: LB92853

SAS No.: LB92853

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: LB92853

SDG No.: LB92853

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB105956BL	Reactive Cyanide	WATER		Batch Number:		PB105956		Prep Date:	01/24/2018	
		-0.00024	<0.005	U		0.005		01/24/2018	17:13	LB92853
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB105957BL	Reactive Cyanide	SOLID		Batch Number:		PB105957		Prep Date:	01/24/2018	
		-0.00046	<0.05	U		0.05		01/24/2018	17:08	LB92853

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92853 **Level:** LOW **SDG No.:** LB92853
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92853 **SAS No.:** LB92853
Matrix: WATER **Sample ID:** J1270-01 **Client ID:** GROUNDWATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J1270-01DUP **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	-0.00018	U			

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92853 **Level:** LOW **SDG No.:** LB92853
Contract: **Lab Code:** CHEM **Case No.:** LB92853 **SAS No.:** LB92853
Matrix: Solid **Sample ID:** J1279-02 **Client ID:** PB-1(25-32)DUP
Percent Solids for Sample: 100 **Duplicate ID** J1279-02DUP **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	-0.00042	U			