

Daily Analysis Runlog For Sequence/QC Batch ID # LB93691

Review By

SubDirectory

Review On

Test : Reactive Cyanide

LB93691

STD. NAME		STD REF.#				
ICAL Standard		WP62473,WP62474,WP62475,WP62476,WP62477,WP62478,WP62479				
ICV Standard		wp62481				
CCV Standard		WP62480				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62482,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/05/18 08:12		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/05/18 08:12		OK
3	10PPBCN	10PPBCN	CAL3	03/05/18 08:12		OK
4	50PPBCN	50PPBCN	CAL4	03/05/18 08:12		OK
5	100PPBCN	100PPBCN	CAL5	03/05/18 08:12		OK
6	250PPBCN	250PPBCN	CAL6	03/05/18 08:12		OK
7	500PPBCN	500PPBCN	CAL7	03/05/18 08:12		OK
8	ICV1	ICV1	ICV	03/05/18 12:12		OK
9	ICB1	ICB1	ICB	03/05/18 12:12		OK
10	CCV1	CCV1	CCV	03/05/18 12:12		OK
11	CCB1	CCB1	CCB	03/05/18 12:12		OK
12	PB107077BL	PB107077BL	MB	03/05/18 12:12		OK
13	J1761-02	TR-04-0302018	SAM	03/05/18 12:12		OK
14	J1761-02DUP	TR-04-0302018DUP	DUP	03/05/18 12:12		OK
15	J1786-05	SAMPLE-1-24+31-W	SAM	03/05/18 12:12		OK
16	J1786-06	SAMPLE-2-25+71-W	SAM	03/05/18 12:12		OK
17	J1792-04	TP-7	SAM	03/05/18 12:19		OK
18	J1792-06	TP-8	SAM	03/05/18 12:19		OK
19	J1792-08	TP-12	SAM	03/05/18 12:19		OK
20	CCV2	CCV2	CCV	03/05/18 12:19		OK
21	CCB2	CCB2	CCB	03/05/18 12:19		OK

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SubDirectory		LB93691		Test : Reactive Cyanide		
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ICAL Standard		WP62473,WP62474,WP62475,WP62476,WP62477,WP62478,WP62479				
ICV Standard		wp62481				
CCV Standard		WP62480				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62482,WP59958,WP60878				
22	J1792-10	TP-13	SAM	03/05/18 12:19		OK
23	PB107078BL	PB107078BL	MB	03/05/18 12:19		OK
24	J1792-12	TP-7	SAM	03/05/18 12:19		OK
25	J1792-12DUP	TP-7DUP	DUP	03/05/18 12:19		OK
26	J1792-14	TP-8	SAM	03/05/18 12:19		OK
27	J1792-16	TP-13	SAM	03/05/18 12:20		OK
28	J1783-04	SLUDGE	SAM	03/05/18 12:45		OK
29	J1792-02	TP-6	SAM	03/05/18 13:04		OK
30	CCV3	CCV3	CCV	03/05/18 13:04		OK
31	CCB3	CCB3	CCB	03/05/18 13:04		OK



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Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TR-04-0302018	SDG No.:	LB93691
Lab Sample ID:	J1761-02	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	-0.0047	U	1	0.025		0.05	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	SLUDGE	SDG No.:	LB93691
Lab Sample ID:	J1783-04	Matrix:	Solid
Level (low/med):	low	% Solid:	40.8

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	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	SAMPLE-1-24+31-WEST	SDG No.:	LB93691
Lab Sample ID:	J1786-05	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	-0.0037	U	1	0.025		0.05	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/2/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	SAMPLE-2-25+71-WEST	SDG No.:	LB93691
Lab Sample ID:	J1786-06	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	-0.005	U	1	0.025		0.05	mg/Kg	03/05/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-6	SDG No.:	LB93691
Lab Sample ID:	J1792-02	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	-0.0029	U	1	0.025		0.05	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-7	SDG No.:	LB93691
Lab Sample ID:	J1792-04	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	-0.00055	U	1	0.025		0.049	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-8	SDG No.:	LB93691
Lab Sample ID:	J1792-06	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	-0.00039	U	1	0.025		0.05	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-12	SDG No.:	LB93691
Lab Sample ID:	J1792-08	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	-0.0025	U	1	0.025		0.05	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-13	SDG No.:	LB93691
Lab Sample ID:	J1792-10	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	-0.001	U	1	0.025		0.05	mg/Kg	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-7	SDG No.:	LB93691
Lab Sample ID:	J1792-12	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	-0.0001	U	1	0.0025		0.005	mg/L	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-8	SDG No.:	LB93691
Lab Sample ID:	J1792-14	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	-0.0001	U	1	0.0025		0.005	mg/L	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-13	SDG No.:	LB93691
Lab Sample ID:	J1792-16	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	-0.00015	U	1	0.0025		0.005	mg/L	03/05/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93691	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	TP-13	SDG No.:	LB93691
Lab Sample ID:	J1792-16	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: LB93691

SDG No.: LB93691

Contract: _____ Lab Code: CHEM

Case No.: LB93691 SAS No.: LB93691

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	0.1	0.099	101		85 - 115		03/05/2018	12:12	LB93691



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93691

SDG No.: LB93691

Contract: _____ Lab Code: CHEM

Case No.: LB93691

SAS No.: LB93691

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	0.25	0.25	100		90 - 110		03/05/2018	12:12	LB93691
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		03/05/2018	12:19	LB93691
CCV3	Reactive Cyanide	0.27	0.25	108		90 - 110		03/05/2018	13:04	LB93691



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93691

SDG No.: LB93691

Contract:

Lab Code: CHEM

Case No.: LB93691

SAS No.: LB93691

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		03/05/2018	12:12	LB93691

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00029	+/-0.005	U		0.005		03/05/2018	12:12	LB93691
CCB2	Reactive Cyanide	-0	+/-0.005	U		0.005		03/05/2018	12:19	LB93691
CCB3	Reactive Cyanide	-0.00026	+/-0.005	U		0.005		03/05/2018	13:04	LB93691



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB93691

SDG No.:

LB93691

Contract:

Lab Code:

CHEM

Case No.:

LB93691

SAS No.:

LB93691

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: LB93691

SDG No.: LB93691

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
PB107077BL	Reactive Cyanide	SOLID		Batch Number:		PB107077		Prep Date:	03/05/2018	
		-0.0041	<0.05	U		0.05		03/05/2018	12:12	LB93691
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB107078BL	Reactive Cyanide	WATER		Batch Number:		PB107078		Prep Date:	03/05/2018	
		-0.00024	<0.005	U		0.005		03/05/2018	12:19	LB93691

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DUPLICATE SAMPLE SUMMARY

Client: LB93691 **Level:** LOW **SDG No.:** LB93691
Contract: **Lab Code:** CHEM **Case No.:** LB93691 **SAS No.:** LB93691
Matrix: Solid **Sample ID:** J1761-02 **Client ID:** TR-04-0302018DUP
Percent Solids for Sample: 100 **Duplicate ID** J1761-02DUP **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	-0.0046	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93691 **Level:** LOW **SDG No.:** LB93691
Contract: **Lab Code:** CHEM **Case No.:** LB93691 **SAS No.:** LB93691
Matrix: WATER **Sample ID:** J1792-12 **Client ID:** TP-7DUP
Percent Solids for Sample: 0 **Duplicate ID** J1792-12DUP **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			