

Daily Analysis Runlog For Sequence/QC Batch ID # LB93613

Review By

Review On

SubDirectory

LB93613

Test :

Reactive Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP62361,WP62362,WP62363,WP62364,WP62365,WP62366,WP62367				
ICV Standard		wp62369				
CCV Standard		WP62368				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62370,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/01/18 09:49		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/01/18 09:49		OK
3	10PPBCN	10PPBCN	CAL3	03/01/18 09:49		OK
4	50PPBCN	50PPBCN	CAL4	03/01/18 09:49		OK
5	100PPBCN	100PPBCN	CAL5	03/01/18 09:49		OK
6	250PPBCN	250PPBCN	CAL6	03/01/18 09:49		OK
7	500PPBCN	500PPBCN	CAL7	03/01/18 09:49		OK
8	ICV1	ICV1	ICV	03/01/18 12:32		OK
9	ICB1	ICB1	ICB	03/01/18 12:32		OK
10	CCV1	CCV1	CCV	03/01/18 12:32		OK
11	CCB1	CCB1	CCB	03/01/18 12:32		OK
12	PB106968BL	PB106968BL	MB	03/01/18 12:32		OK
13	J1402-08	PL-01-022818-A	SAM	03/01/18 12:32		OK
14	J1402-08DUP	PL-01-022818-ADUP	DUP	03/01/18 12:32		OK
15	J1402-10	PL-01-022818-B	SAM	03/01/18 12:32		OK
16	J1402-12	PL-01-022818-C	SAM	03/01/18 12:32		OK
17	J1402-14	PL-01-022818-D	SAM	03/01/18 12:32		OK
18	J1716-05	WC-01-01-16	SAM	03/01/18 12:32		OK
19	J1719-02	TP-2	SAM	03/01/18 12:39		OK
20	J1730-03	ROLLOFF-20408	SAM	03/01/18 12:39		OK
21	J1736-02	OILY-STONE	SAM	03/01/18 12:39		OK

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Review By		Review On				
SubDirectory		LB93613		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62361,WP62362,WP62363,WP62364,WP62365,WP62366,WP62367				
ICV Standard		wp62369				
CCV Standard		WP62368				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62370,WP59958,WP60878				
22	CCV2	CCV2	CCV	03/01/18 13:05		OK
23	CCB2	CCB2	CCB	03/01/18 13:05		OK
24	J1738-03	OILY-STONE	SAM	03/01/18 13:05		OK
25	PB106969BL	PB106969BL	MB	03/01/18 13:05		OK
26	J1719-04	TP-2	SAM	03/01/18 13:05		OK
27	J1719-04DUP	TP-2DUP	DUP	03/01/18 13:05		OK
28	J1736-07	OILY-WATER	SAM	03/01/18 13:05		OK
29	CCV3	CCV3	CCV	03/01/18 13:05		OK
30	CCB3	CCB3	CCB	03/01/18 13:05		OK



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	PL-01-022818-A	SDG No.:	LB93613
Lab Sample ID:	J1402-08	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	-0.013	U	1	0.025		0.05	mg/Kg	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	PL-01-022818-B	SDG No.:	LB93613
Lab Sample ID:	J1402-10	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	-0.012	U	1	0.025		0.05	mg/Kg	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	PL-01-022818-C	SDG No.:	LB93613
Lab Sample ID:	J1402-12	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	-0.014	U	1	0.025		0.05	mg/Kg	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	PL-01-022818-D	SDG No.:	LB93613
Lab Sample ID:	J1402-14	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	-0.013	U	1	0.025		0.05	mg/Kg	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	WC-01-01-16	SDG No.:	LB93613
Lab Sample ID:	J1716-05	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	-0.013	U	1	0.025		0.05	mg/Kg	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB93613
Lab Sample ID:	J1719-02	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	-0.014	U	1	0.025		0.05	mg/Kg	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB93613
Lab Sample ID:	J1719-04	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	-0.0012	U	1	0.0025		0.005	mg/L	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	ROLLOFF-20408	SDG No.:	LB93613
Lab Sample ID:	J1730-03	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	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	LB93613
Lab Sample ID:	J1736-02	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	-0.011	U	1	0.025		0.05	mg/Kg	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	OILY-WATER	SDG No.:	LB93613
Lab Sample ID:	J1736-07	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	-0.0011	U	1	0.0025		0.005	mg/L	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	LB93613
Lab Sample ID:	J1738-03	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	-0.012	U	1	0.025		0.05	mg/Kg	03/01/2018	03/01/2018	9012B

Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93613	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	LB93613
Lab Sample ID:	J1738-03	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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93613

SDG No.: LB93613

Contract: _____ Lab Code: CHEM

Case No.: LB93613

SAS No.: LB93613

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		03/01/2018	12:32	LB93613
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		03/01/2018	13:05	LB93613
CCV3	Reactive Cyanide	0.24	0.25	96		90 - 110		03/01/2018	13:05	LB93613



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93613 **SDG No.:** LB93613
Contract: **Lab Code:** CHEM **Case No.:** LB93613 **SAS No.:** LB93613

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00094	+/-0.005	U		0.005		03/01/2018	12:32	LB93613

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.001	+/-0.005	U		0.005		03/01/2018	12:32	LB93613
CCB2	Reactive Cyanide	-0.0014	+/-0.005	U		0.005		03/01/2018	13:05	LB93613
CCB3	Reactive Cyanide	-0.00095	+/-0.005	U		0.005		03/01/2018	13:05	LB93613



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93613

SDG No.: LB93613

Contract: Lab Code: CHEM

Case No.: LB93613

SAS No.: LB93613

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: LB93613

SDG No.: LB93613

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
PB106968BL	Reactive Cyanide	SOLID		Batch Number:		PB106968		Prep Date:	03/01/2018	
		-0.014	<0.05	U		0.05		03/01/2018	12:32	LB93613
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB106969BL	Reactive Cyanide	WATER		Batch Number:		PB106969		Prep Date:	03/01/2018	
		-0.0014	<0.005	U		0.005		03/01/2018	13:05	LB93613

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DUPLICATE SAMPLE SUMMARY

Client: LB93613 **Level:** LOW **SDG No.:** LB93613
Contract: **Lab Code:** CHEM **Case No.:** LB93613 **SAS No.:** LB93613
Matrix: Solid **Sample ID:** J1402-08 **Client ID:** PL-01-022818-ADUP
Percent Solids for Sample: 100 **Duplicate ID** J1402-08DUP **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	-0.013	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93613 **Level:** LOW **SDG No.:** LB93613
Contract: **Lab Code:** CHEM **Case No.:** LB93613 **SAS No.:** LB93613
Matrix: WATER **Sample ID:** J1719-04 **Client ID:** TP-2DUP
Percent Solids for Sample: 0 **Duplicate ID** J1719-04DUP **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	-0.0012	U			