

Daily Analysis Runlog For Sequence/QC Batch ID # LB93073

Review By

Review On

SubDirectory

LB93073

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP61551,WP61552,WP61553,WP61554,WP61555,WP61556,WP61557
ICV Standard	WP61559
CCV Standard	WP61558
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP61560,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/02/18 11:18		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/02/18 11:18		OK
3	10PPBCN	10PPBCN	CAL3	02/02/18 11:18		OK
4	50PPBCN	50PPBCN	CAL4	02/02/18 11:18		OK
5	100PPBCN	100PPBCN	CAL5	02/02/18 11:18		OK
6	250PPBCN	250PPBCN	CAL6	02/02/18 11:18		OK
7	500PPBCN	500PPBCN	CAL7	02/02/18 11:18		OK
8	ICV1	ICV1	ICV	02/02/18 13:47		OK
9	ICB1	ICB1	ICB	02/02/18 13:47		OK
10	CCV1	CCV1	CCV	02/02/18 13:47		OK
11	CCB1	CCB1	CCB	02/02/18 13:47		OK
12	PB106275BL	PB106275BL	MB	02/02/18 13:47		OK
13	J1395-02	NB-08-020118	SAM	02/02/18 13:47		OK
14	J1395-02DUP	NB-08-020118DUP	DUP	02/02/18 13:47		OK
15	J1423-01	CHASSIS-WASH	SAM	02/02/18 13:54		OK
16	J1429-01	CHASSIS-WASH	SAM	02/02/18 13:54		OK
17	J1429-02	BUS-WASH-COMP	SAM	02/02/18 13:54		OK
18	J1429-03	RECLAIMER-SLUDGE	SAM	02/02/18 13:54		OK
19	J1431-03	132-1-PH-3	SAM	02/02/18 13:54		OK
20	J1431-06	132-1-PH-2	SAM	02/02/18 13:54		OK
21	J1431-09	132-1-PH-1	SAM	02/02/18 13:54		OK

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SubDirectory		LB93073		Test : Reactive Cyanide		
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ICAL Standard		WP61551,WP61552,WP61553,WP61554,WP61555,WP61556,WP61557				
ICV Standard		WP61559				
CCV Standard		WP61558				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61560,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/02/18 13:54		OK
23	CCB2	CCB2	CCB	02/02/18 13:55		OK
24	J1436-04	B15	SAM	02/02/18 13:55		OK
25	J1436-08	B13	SAM	02/02/18 13:55		OK
26	J1436-12	B12	SAM	02/02/18 14:00		OK
27	J1436-16	B18	SAM	02/02/18 14:00		OK
28	J1436-20	B25	SAM	02/02/18 14:00		OK
29	CCCV3	CCCV3	CCV	02/02/18 14:00		OK
30	CCB3	CCB3	CCB	02/02/18 14:00		OK



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	NB-08-020118	SDG No.:	LB93073
Lab Sample ID:	J1395-02	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	0.00033	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/30/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	CHASSIS-WASH	SDG No.:	LB93073
Lab Sample ID:	J1423-01	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	-0.0015	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	CHASSIS-WASH	SDG No.:	LB93073
Lab Sample ID:	J1429-01	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	-0.00082	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	BUS-WASH-COMP	SDG No.:	LB93073
Lab Sample ID:	J1429-02	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	0.00015	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	RECLAIMER-SLUDGE-PIT	SDG No.:	LB93073
Lab Sample ID:	J1429-03	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	-0.00045	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	132-1-PH-3	SDG No.:	LB93073
Lab Sample ID:	J1431-03	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	0.00076	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B

Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	132-1-PH-2	SDG No.:	LB93073
Lab Sample ID:	J1431-06	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	-0.00075	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B

Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	132-1-PH-1	SDG No.:	LB93073
Lab Sample ID:	J1431-09	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	0.0022	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B15	SDG No.:	LB93073
Lab Sample ID:	J1436-04	Matrix:	Solid
Level (low/med):	low	% Solid:	87.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0012	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B13	SDG No.:	LB93073
Lab Sample ID:	J1436-08	Matrix:	Solid
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0009	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B

Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B12	SDG No.:	LB93073
Lab Sample ID:	J1436-12	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00047	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B18	SDG No.:	LB93073
Lab Sample ID:	J1436-16	Matrix:	Solid
Level (low/med):	low	% Solid:	83.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00084	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B25	SDG No.:	LB93073
Lab Sample ID:	J1436-20	Matrix:	Solid
Level (low/med):	low	% Solid:	86.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00085	U	1	0.025		0.05	mg/Kg	02/02/2018	02/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/1/2018 12:00:00 AM
Project:	LB93073	Date Received:	2/1/2018 12:00:00 AM
Client Sample ID:	B25	SDG No.:	LB93073
Lab Sample ID:	J1436-20	Matrix:	Solid
Level (low/med):	low	% Solid:	86.1

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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93073

SDG No.: LB93073

Contract: _____ Lab Code: CHEM

Case No.: LB93073

SAS No.: LB93073

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	0.098	0.099	99		85 - 115		02/02/2018	13:47	lb93073



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93073

SDG No.: LB93073

Contract: _____ Lab Code: CHEM

Case No.: LB93073

SAS No.: LB93073

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		02/02/2018	13:47	lb93073
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		02/02/2018	13:54	lb93073
CCCV3	Reactive Cyanide	0.26	0.25	104		90 - 110		02/02/2018	14:00	lb93073



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93073

SDG No.: LB93073

Contract:

Lab Code: CHEM

Case No.: LB93073

SAS No.: LB93073

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0002	+/-0.005	U		0.005		02/02/2018	13:47	lb93073

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0	+/-0.005	U		0.005		02/02/2018	13:47	lb93073
CCB2	Reactive Cyanide	0.00034	+/-0.005	U		0.005		02/02/2018	13:55	lb93073
CCB3	Reactive Cyanide	0.00022	+/-0.005	U		0.005		02/02/2018	14:00	lb93073



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93073

SDG No.: LB93073

Contract: Lab Code: CHEM

Case No.: LB93073

SAS No.: LB93073

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: LB93073

SDG No.: LB93073

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
PB106275BL		SOLID		Batch Number:		PB106275		Prep Date:	02/02/2018	
	Reactive Cyanide	0.00085	<0.05	U		0.05		02/02/2018	13:47	lb93073

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93073 **Level:** LOW **SDG No.:** LB93073
Contract: **Lab Code:** CHEM **Case No.:** LB93073 **SAS No.:** LB93073
Matrix: Solid **Sample ID:** J1395-02 **Client ID:** NB-08-020118DUP
Percent Solids for Sample: 100 **Duplicate ID** J1395-02DUP **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	0.00097	U			