

Daily Analysis Runlog For Sequence/QC Batch ID # LB95979

Review By

Review On

SubDirectory

LB95979

Test :

Reactive Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP65234,WP65235,WP65236,WP65237,WP65238,WP65239,WP65240				
ICV Standard		WP65242				
CCV Standard		WP65241				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65243,WP64695,WP64696				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/13/18 09:59		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/13/18 09:59		OK
3	10PPBCN	10PPBCN	CAL3	06/13/18 09:59		OK
4	50PPBCN	50PPBCN	CAL4	06/13/18 09:59		OK
5	100PPBCN	100PPBCN	CAL5	06/13/18 09:59		OK
6	250PPBCN	250PPBCN	CAL6	06/13/18 09:59		OK
7	500PPBCN	500PPBCN	CAL7	06/13/18 09:59		OK
8	ICV1	ICV1	ICV	06/13/18 12:37		OK
9	ICB1	ICB1	ICB	06/13/18 12:37		OK
10	CCV1	CCV1	CCV	06/13/18 12:37		OK
11	CCB1	CCB1	CCB	06/13/18 12:37		OK
12	PB110205BL	PB110205BL	MB	06/13/18 12:37		OK
13	J3246-02	OK-02-061218	SAM	06/13/18 12:37		OK
14	J3246-02DUP	OK-02-061218DUP	DUP	06/13/18 12:37		OK
15	J3251-04	SU-03-061118	SAM	06/13/18 12:37		OK
16	J3459-02	MH-RO-341	SAM	06/13/18 12:37		OK
17	PB110206BL	PB110206BL	MB	06/13/18 12:37		OK
18	J3448-02	N-48971	SAM	06/13/18 12:37		OK
19	J3448-02DUP	N-48971DUP	DUP	06/13/18 12:44		OK
20	J3448-04	N-48969	SAM	06/13/18 12:44		OK
21	J3448-06	N-48966	SAM	06/13/18 12:44		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB95979

Review By			Review On			
SubDirectory		LB95979		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65234,WP65235,WP65236,WP65237,WP65238,WP65239,WP65240				
ICV Standard		WP65242				
CCV Standard		WP65241				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65243,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/13/18 12:44		OK
23	CCB2	CCB2	CCB	06/13/18 12:44		OK
24	J3451-02	VB-25830-SLUDGE	SAM	06/13/18 12:44		OK
25	J3451-04	VB-44949-SLUDGE	SAM	06/13/18 12:44		OK
26	J3456-02	ES-OILY-WATER	SAM	06/13/18 12:44		OK
27	CCV3	CCV3	CCV	06/13/18 12:44		OK
28	CCB3	CCB3	CCB	06/13/18 12:44		OK



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	OK-02-061218	SDG No.:	LB95979
Lab Sample ID:	J3246-02	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	-0.012	U	1	0.025		0.05	mg/Kg	06/13/2018	06/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	SU-03-061118	SDG No.:	LB95979
Lab Sample ID:	J3251-04	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	-0.01	U	1	0.025		0.05	mg/Kg	06/13/2018	06/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	N-48971	SDG No.:	LB95979
Lab Sample ID:	J3448-02	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	-0.00085	U	1	0.0025		0.005	mg/L	06/13/2018	06/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	N-48969	SDG No.:	LB95979
Lab Sample ID:	J3448-04	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	-0.00097	U	1	0.0025		0.005	mg/L	06/13/2018	06/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	N-48966	SDG No.:	LB95979
Lab Sample ID:	J3448-06	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	06/13/2018	06/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	VB-25830-SLUDGEBOX	SDG No.:	LB95979
Lab Sample ID:	J3451-02	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	-0.0012	U	1	0.0025		0.005	mg/L	06/13/2018	06/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	VB-44949-SLUDGEBOX	SDG No.:	LB95979
Lab Sample ID:	J3451-04	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	-0.0013	U	1	0.0025		0.005	mg/L	06/13/2018	06/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	ES-OILY-WATER	SDG No.:	LB95979
Lab Sample ID:	J3456-02	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	-0.0012	U	1	0.0025		0.005	mg/L	06/13/2018	06/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	MH-RO-341	SDG No.:	LB95979
Lab Sample ID:	J3459-02	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	-0.0088	U	1	0.025		0.05	mg/Kg	06/13/2018	06/13/2018	9012B



Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB95979	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	MH-RO-341	SDG No.:	LB95979
Lab Sample ID:	J3459-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB95979

SDG No.: LB95979

Contract: _____

Lab Code: CHEM

Case No.: LB95979

SAS No.: LB95979

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		06/13/2018	12:37	LB95979



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95979

SDG No.: LB95979

Contract: _____ Lab Code: CHEM

Case No.: LB95979

SAS No.: LB95979

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		06/13/2018	12:37	LB95979
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		06/13/2018	12:44	LB95979
CCV3	Reactive Cyanide	0.24	0.25	96		90 - 110		06/13/2018	12:44	LB95979



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95979

SDG No.: LB95979

Contract:

Lab Code: CHEM

Case No.: LB95979

SAS No.: LB95979

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0014	+/-0.005	U		0.005		06/13/2018	12:37	LB95979



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95979

SDG No.: LB95979

Contract: _____

Lab Code: CHEM

Case No.: LB95979

SAS No.: LB95979

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00067	+/-0.005	U		0.005		06/13/2018	12:37	LB95979
CCB2	Reactive Cyanide	-0.00082	+/-0.005	U		0.005		06/13/2018	12:44	LB95979
CCB3	Reactive Cyanide	-0.0009	+/-0.005	U		0.005		06/13/2018	12:44	LB95979



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95979

SDG No.: LB95979

Contract: Lab Code: CHEM

Case No.: LB95979

SAS No.: LB95979

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: LB95979

SDG No.: LB95979

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
PB110205BL	Reactive Cyanide	SOLID		Batch Number:		PB110205		Prep Date:	06/13/2018	
		-0.0091	<0.05	U		0.05		06/13/2018	12:37	LB95979
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB110206BL	Reactive Cyanide	WATER		Batch Number:		PB110206		Prep Date:	06/13/2018	
		-0.0011	<0.005	U		0.005		06/13/2018	12:37	LB95979

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95979 **Level:** LOW **SDG No.:** LB95979
Contract: **Lab Code:** CHEM **Case No.:** LB95979 **SAS No.:** LB95979
Matrix: Solid **Sample ID:** J3246-02 **Client ID:** OK-02-061218DUP
Percent Solids for Sample: 100 **Duplicate ID** J3246-02DUP **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	-0.015	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB95979 **Level:** LOW **SDG No.:** LB95979
Contract: **Lab Code:** CHEM **Case No.:** LB95979 **SAS No.:** LB95979
Matrix: WATER **Sample ID:** J3448-02 **Client ID:** N-48971DUP
Percent Solids for Sample: 0 **Duplicate ID** J3448-02DUP **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	-0.0013	U			