

Daily Analysis Runlog For Sequence/QC Batch ID # LB94872

Review By

Review On

SubDirectory

LB94872

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP63949,WP63951,WP63953,WP63954,WP63955,WP63957,WP63959
ICV Standard	WP63961
CCV Standard	WP63960
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP63963,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/25/18 08:33		OK
2	5.0PPBCN	5.0PPBCN	CAL2	04/25/18 08:33		OK
3	10PPBCN	10PPBCN	CAL3	04/25/18 08:33		OK
4	50PPBCN	50PPBCN	CAL4	04/25/18 08:33		OK
5	100PPBCN	100PPBCN	CAL5	04/25/18 08:33		OK
6	250PPBCN	250PPBCN	CAL6	04/25/18 08:33		OK
7	500PPBCN	500PPBCN	CAL7	04/25/18 08:33		OK
8	ICV1	ICV1	ICV	04/25/18 11:28		OK
9	ICB1	ICB1	ICB	04/25/18 11:28		OK
10	CCV1	CCV1	CCV	04/25/18 11:28		OK
11	CCB1	CCB1	CCB	04/25/18 11:28		OK
12	PB108583BL	PB108583BL	MB	04/25/18 11:28		OK
13	J2155-08	NB-08-042418-A	SAM	04/25/18 11:28		OK
14	J2155-08DUP	NB-08-042418-ADUP	DUP	04/25/18 11:28		OK
15	J2155-10	NB-08-042418-B	SAM	04/25/18 11:28		OK
16	J2155-12	NB-08-042418-C	SAM	04/25/18 11:28		OK
17	J2156-04	HD-02-042418	SAM	04/25/18 11:28		OK
18	J2158-04	OK-01-042418	SAM	04/25/18 11:28		OK
19	J2541-02	TP-3-4-5-WC-1	SAM	04/25/18 11:34		OK
20	PB108584BL	PB108584BL	MB	04/25/18 11:34		OK
21	CCV2	CCV2	CCV	04/25/18 11:34		OK



Instrument ID : KONELAB

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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SubDirectory		Test : Reactive Cyanide				
LB94872						
STD. NAME		STD REF.#				
ICAL Standard		WP63949,WP63951,WP63953,WP63954,WP63955,WP63957,WP63959				
ICV Standard		WP63961				
CCV Standard		WP63960				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP63963,WP59958,WP60878				
22	CCB2	CCB2	CCB	04/25/18 11:34		OK
23	J2543-02	TOTE	SAM	04/25/18 11:34		OK
24	J2543-02DUP	TOTEDUP	DUP	04/25/18 11:34		OK
25	CCV3	CCV3	CCV	04/25/18 11:34		OK
26	CCB3	CCB3	CCB	04/25/18 11:34		OK



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94872	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	NB-08-042418-A	SDG No.:	LB94872
Lab Sample ID:	J2155-08	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	-0.0064	U	1	0.025		0.05	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94872	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	NB-08-042418-B	SDG No.:	LB94872
Lab Sample ID:	J2155-10	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	-0.0079	U	1	0.025		0.05	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94872	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	NB-08-042418-C	SDG No.:	LB94872
Lab Sample ID:	J2155-12	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	-0.0079	U	1	0.025		0.05	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94872	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	HD-02-042418	SDG No.:	LB94872
Lab Sample ID:	J2156-04	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	-0.0073	U	1	0.025		0.05	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94872	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	OK-01-042418	SDG No.:	LB94872
Lab Sample ID:	J2158-04	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	-0.0041	U	1	0.025		0.05	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94872	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	TP-3-4-5-WC-1	SDG No.:	LB94872
Lab Sample ID:	J2541-02	Matrix:	Solid
Level (low/med):	low	% Solid:	80.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.008	U	1	0.025		0.05	mg/Kg	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94872	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	TOTE	SDG No.:	LB94872
Lab Sample ID:	J2543-02	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	-0.0011	U	1	0.0025		0.005	mg/L	04/25/2018	04/25/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/24/2018 12:00:00 AM
Project:	LB94872	Date Received:	4/24/2018 12:00:00 AM
Client Sample ID:	TOTE	SDG No.:	LB94872
Lab Sample ID:	J2543-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB94872

SDG No.: LB94872

Contract: _____ Lab Code: CHEM

Case No.: LB94872

SAS No.: LB94872

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	0.097	0.099	98		85 - 115		04/25/2018	11:28	LB94872



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94872

SDG No.: LB94872

Contract: _____ Lab Code: CHEM

Case No.: LB94872

SAS No.: LB94872

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		04/25/2018	11:28	LB94872
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		04/25/2018	11:34	LB94872
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		04/25/2018	11:34	LB94872



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94872

SDG No.: LB94872

Contract:

Lab Code: CHEM

Case No.: LB94872

SAS No.: LB94872

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00047	+/-0.005	U		0.005		04/25/2018	11:28	LB94872

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00036	+/-0.005	U		0.005		04/25/2018	11:28	LB94872
CCB2	Reactive Cyanide	-0.00056	+/-0.005	U		0.005		04/25/2018	11:34	LB94872
CCB3	Reactive Cyanide	-0.00071	+/-0.005	U		0.005		04/25/2018	11:34	LB94872



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>LB94872</u>	SDG No.:	<u>LB94872</u>				
Contract:	<u> </u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>LB94872</u>	SAS No.:	<u>LB94872</u>

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: LB94872

SDG No.: LB94872

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
PB108583BL	Reactive Cyanide	SOLID		Batch Number:		PB108583		Prep Date:	04/25/2018	
		-0.008	<0.05	U		0.05		04/25/2018	11:28	LB94872
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB108584BL	Reactive Cyanide	WATER		Batch Number:		PB108584		Prep Date:	04/25/2018	
		-0.00049	<0.005	U		0.005		04/25/2018	11:34	LB94872

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DUPLICATE SAMPLE SUMMARY

Client: LB94872 **Level:** LOW **SDG No.:** LB94872
Contract: _____ **Lab Code:** CHEM **Case No.:** LB94872 **SAS No.:** LB94872
Matrix: Solid **Sample ID:** J2155-08 **Client ID:** NB-08-042418-ADUP
Percent Solids for Sample: 100 **Duplicate ID** J2155-08DUP **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	-0.0058	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB94872 **Level:** LOW **SDG No.:** LB94872
Contract: _____ **Lab Code:** CHEM **Case No.:** LB94872 **SAS No.:** LB94872
Matrix: WATER **Sample ID:** J2543-02 **Client ID:** TOTEDUP
Percent Solids for Sample: 0 **Duplicate ID** J2543-02DUP **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	-0.00038	U			