

Daily Analysis Runlog For Sequence/QC Batch ID # LB87753

Review By

Review On

SubDirectory

LB87753

Test :

Reactive Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP55268,WP55269,WP55270,WP55271,WP55272,WP55273,WP55274				
ICV Standard		WP55276				
CCV Standard		WP55275				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55277,WP51626,WP51276				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/30/17 09:36		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/30/17 09:36		OK
3	10PPBCN	10PPBCN	CAL3	05/30/17 09:36		OK
4	50PPBCN	50PPBCN	CAL4	05/30/17 09:36		OK
5	100PPBCN	100PPBCN	CAL5	05/30/17 09:36		OK
6	250PPBCN	250PPBCN	CAL6	05/30/17 09:36		OK
7	500PPBCN	500PPBCN	CAL7	05/30/17 09:36		OK
8	ICV1	ICV1	ICV	05/30/17 11:11		OK
9	ICB1	ICB1	ICB	05/30/17 11:11		OK
10	CCV1	CCV1	CCV	05/30/17 11:11		OK
11	CCB1	CCB1	CCB	05/30/17 11:11		OK
12	PB99324BL	PB99324BL	MB	05/30/17 11:11		OK
13	I3348-03	VNJ-225/289/330/139	SAM	05/30/17 11:11		OK
14	I3348-03DUP	VNJ-225/289/330/139	DUP	05/30/17 11:11		OK
15	I3365-03	SB-03-COMP	SAM	05/30/17 11:11		OK
16	PB99325BL	PB99325BL	MB	05/30/17 11:11		OK
17	I3371-02	A598	SAM	05/30/17 11:11		OK
18	I3371-02DUP	A598DUP	DUP	05/30/17 11:11		OK
19	CCV2	CCV2	CCV	05/30/17 11:14		OK
20	CCB2	CCB2	CCB	05/30/17 11:14		OK



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Report of Analysis

Client:		Date Collected:	5/24/2017 12:00:00 AM
Project:	LB87753	Date Received:	5/24/2017 12:00:00 AM
Client Sample ID:	VNJ-225/289/330/139/15532/VNJ-230	SDG No.:	LB87753
Lab Sample ID:	I3348-03	Matrix:	Solid
Level (low/med):	low	% Solid:	81.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0018	U	1	0.025		0.05	mg/Kg	05/26/2017	05/30/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/25/2017 12:00:00 AM
Project:	LB87753	Date Received:	5/25/2017 12:00:00 AM
Client Sample ID:	SB-03-COMP	SDG No.:	LB87753
Lab Sample ID:	I3365-03	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	-0.0031	U	1	0.025		0.05	mg/Kg	05/26/2017	05/30/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/25/2017 12:00:00 AM
Project:	LB87753	Date Received:	5/25/2017 12:00:00 AM
Client Sample ID:	A598	SDG No.:	LB87753
Lab Sample ID:	I3371-02	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	-0.00036	U	1	0.0025		0.005	mg/L	05/26/2017	05/30/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/25/2017 12:00:00 AM
Project:	LB87753	Date Received:	5/25/2017 12:00:00 AM
Client Sample ID:	A598	SDG No.:	LB87753
Lab Sample ID:	I3371-02	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



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87753

SDG No.: LB87753

Contract: _____ Lab Code: CHEM

Case No.: LB87753

SAS No.: LB87753

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Reactive Cyanide	0.099	0.099	100	0	85 - 115		05/30/2017	11:11	LB87753



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87753

SDG No.: LB87753

Contract: _____ Lab Code: CHEM

Case No.: LB87753

SAS No.: LB87753

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.25	0.25	100	0	90 - 110		05/30/2017	11:11	LB87753
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		05/30/2017	11:14	LB87753



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87753

SDG No.: LB87753

Contract:

Lab Code: CHEM

Case No.: LB87753

SAS No.: LB87753

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0	+/-0.005	U		0.005		05/30/2017	11:11	LB87753



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87753

SDG No.: LB87753

Contract: _____

Lab Code: CHEM

Case No.: LB87753

SAS No.: LB87753

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00023	+/-0.005	U		0.005		05/30/2017	11:11	LB87753
CCB2	Reactive Cyanide	0	+/-0.005	U		0.005		05/30/2017	11:14	LB87753



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87753

SDG No.: LB87753

Contract: Lab Code: CHEM

Case No.: LB87753

SAS No.: LB87753

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: LB87753

SDG No.: LB87753

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
PB99324BL	Reactive Cyanide	SOLID		Batch Number:		PB99324		Prep Date:	05/26/2017	
		0.00085	<0.05	U		0.05		05/30/2017	11:11	LB87753
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB99325BL	Reactive Cyanide	WATER		Batch Number:		PB99325		Prep Date:	05/26/2017	
		-0.00048	<0.005	U		0.005		05/30/2017	11:11	LB87753

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DUPLICATE SAMPLE SUMMARY

Client: <u>LB87753</u>	Level: <u>LOW</u>	SDG No.: <u>LB87753</u>
Contract: <u> </u>	Lab Code: <u>CHEM</u>	Case No.: <u>LB87753</u> SAS No.: <u>LB87753</u>
Matrix: <u>Solid</u>	Sample ID: <u>I3348-03</u>	Client ID: <u>VNJ-225/289/330/139/15532/VNJ-230DUP</u>
Percent Solids for Sample: 81.4	Duplicate ID I3348-03DUP	Percent Solids for Spike Sample: 81.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.005	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB87753 **Level:** LOW **SDG No.:** LB87753
Contract: _____ **Lab Code:** CHEM **Case No.:** LB87753 **SAS No.:** LB87753
Matrix: WATER **Sample ID:** I3371-02 **Client ID:** A598DUP
Percent Solids for Sample: 0 **Duplicate ID** I3371-02DUP **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	-0.00034	U			