

LB86573

Client:

GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract:		Lab C	Code: CHI	СНЕМ		Case No.: LB86573			SAS No.: <u>LB86573</u>			
Initial Calibrat	Initial Calibration Source:											
Continuing Cal	libration Source:											
Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number		
Sample 1D	Analyte			Recovery	KSD	Willdow (70K)	171	Date	Time	Number		
ICV1	Reactive Cyanide	0.099	0.099	100	0	85 - 115		03/27/2017	15:50	LB86573		

SDG No.: LB86573



- 2a - INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86573			SDG No.:	LB86573	
Contract:	Lab Code:	СНЕМ	Case No.:	LB86573	SAS No.: LB86573
Initial Calibration Source:		_			
Continuing Calibration Source:					

		Result								
		mg/L	True Value	%	%	Acceptance		Analysis	Analysis	Run
Sample ID	Analyte			Recovery	RSD	Window (%R)	M	Date	Time	Number
CCV1	Reactive Cyanide	0.25	0.25	100	0	90 - 110		03/27/2017	16:14	LB86573
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		03/27/2017	16:43	LB86573



- 3a INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86573 SDG No.: LB86573

 Contract:
 Lab Code:
 CHEM
 Case No.:
 LB86573
 SAS No.:
 LB86573

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICP1	Reactive Cyanide	0.00019	+/-0.005	IJ		0.00	5	03/27/2017	15:50	I B86573



- 3a INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86573 **SDG No.:** LB86573

 Contract:
 Lab Code:
 CHEM
 Case No.:
 LB86573
 SAS No.:
 LB86573

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00089	+/-0.005	U		0.005	5	03/27/2017	16:14	LB86573
CCB2	Reactive Cyanide	0.0006	+/-0.005	U		0.005	5	03/27/2017	16:43	LB86573



GENCHEM

- 3a -INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB86573		_		SD	G No.:	LB86573			
Contract:		Lab Code:	CHEM		Cas	se No.:	LB86573	_	SAS No.: LB	86573
		Result	Acceptance	Conc				Analysis	Analysis	Run
Sample ID	Analyte	mg/L	Limit	Qual	LOD	CRQ	L M	Date	Time	Number



low

Report of Analysis

Client: Date Collected: 3/23/2017 12:00:00 AM

Project: Date Received: LB86573 3/24/2017 12:00:00 AM

Client Sample ID: WC-B42-B51-001 SDG No.: LB86573

Lab Sample ID: I2384-03 Matrix: Solid % Solid: 77.3 Level (low/med):

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.011	II	1	0.025		0.05	mg/Kg 03/27/2017	03/27/2013	7 9012B



low

Report of Analysis

Client: Date Collected: 3/23/2017 12:00:00 AM

Project: Date Received: LB86573 3/24/2017 12:00:00 AM

Client Sample ID: WC-B43-B50-001 SDG No.: LB86573

Lab Sample ID: I2384-04 Matrix: Solid % Solid: 80 Level (low/med):

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0099	II	1	0.025		0.05	mg/Kg 03/27/2017	03/27/2017	7 0012B



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Report of Analysis

Client:

Date Collected: 3/23/2017 12:00:00 AM

Project: LB86573

3/24/2017 12:00:00 AM

Client Sample ID: WC-B43-B50-001

SDG No.: LB86573

Lab Sample ID: I2384-04

Solid

Level (low/med): low

% Solid: 80

Date Received:

Matrix:

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

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 - 3b -PREPARATION BLANK SUMMARY

Client: LB86573 **SDG No.:** LB86573

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
PB97841BL		SOLID		Batch Number:		PB97841		Prep Date:	03/27/20)17
	Reactive Cyanide 0.0059 <0.05		< 0.05	U		0.05		03/27/2017	16:43	LB86573



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DUPLICATE SAMPLE SUMMARY

Client: LB8	ht: LB86573		Level: LC	SDG N	No.:	LB86573				
Contract:			Lab Code:	СНЕМ	Case I	No.:	LB86573	SA	AS No.:	LB86573
Matrix:	Solid		Sample ID: 123	384-03	Client ID	:	WC-B42-B5	1-001DU	<u>P</u>	
Percent Solids 1	for Sample:	77.3	Duplicate ID 123	384-03DUP	Percent S	Solids	for Spike Sa	mple:	77.	3
		Acceptance	Sample		Duplicate					
Analyte	Units	Limit	Result	C	Result	C	RPD	Qual	M	
Reactive Cyanide	ma/K a	20	0.025	II	0.021	TT				