

LB86795

Client:

GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No.: LB86795

Contract:		Lab C	ab Code: CHEM Case No.: LB86795			SAS No.: LB86795				
Initial Calibrat	tion Source:									
Continuing Ca	libration Source:									
		Result								
		mg/L	True Value	%	%	Acceptance		Analysis	Analysis	Run
Sample ID	Analyte			Recovery	RSD	Window (%R)	M	Date	Time	Number
ICV1	Cyanide	0.092	0.099	92.9	0	85 - 115		04/10/2017	11:22	LB86795



- 2a - INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86795			SDG No.:	LB86795	
Contract:	Lab Code:	СНЕМ	Case No.:	LB86795	SAS No.: LB86795
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	Cyanide	0.24	0.25	96	0	90 - 110		04/10/2017	11:22	LB86795
CCV2	Cyanide	0.26	0.25	104	0	90 - 110		04/10/2017	11:59	LB86795



- 3a INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86795 **SDG No.:** LB86795

 Contract:
 Lab Code:
 CHEM
 Case No.:
 LB86795
 SAS No.:
 LB86795

	•									
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICR1	Cvanide	-0.00068	+/-0 005	II		0.00	5	04/10/2017	11:22	LB86795



- 3a INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86795 **SDG No.:** LB86795

 Contract:
 Lab Code:
 CHEM
 Case No.:
 LB86795
 SAS No.:
 LB86795

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00041	+/-0.005	U		0.005		04/10/2017	11:22	LB86795
CCB2	Cyanide	-0.00077	+/-0.005	U		0.005		04/10/2017	11:59	LB86795



Sample ID

Analyte

mg/L

GENCHEM

- 3a INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

		Result	Acceptance	Conc			Analysis	Analysis	Run	
Contract:		Lab Code:	CHEM		Case No.:	LB86795	_ S	AS No.: <u>LB86</u>	795	
Client:	LB86795		_		SDG No.:	LB86795				

Qual

LOD

CRQL

M

Date

Time

Number

Limit



Lab Sample ID:

Report of Analysis

Matrix:

WATER

Client: Date Collected:

Project: LB86795 Date Received:

HIGHPB98136

Client Sample ID: HIGHPB98136 SDG No.: LB86795

Level (low/med): low % Solid: 0

Cas	Parameter	Conc.	Qua. D	F MDL	LOD	LOQ / CRQL	Units Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.48	1	0.003		0.005	mg/L	04/10/2017	7 9012B



Report of Analysis

Client: Date Collected: 4/6/2017 12:00:00 AM

Project: LB86795 Date Received: 4/6/2017 12:00:00 AM

Client Sample ID: GW-1 SDG No.: LB86795
Lab Sample ID: I2582-01 Matrix: WATER

Level (low/med): low % Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0001	U	1	0.003		0.005	mg/L	04/07/2017	04/10/2017	9012B



Report of Analysis

Client: Date Collected: 4/6/2017 12:00:00 AM

Project: LB86795 Date Received: 4/6/2017 12:00:00 AM

Client Sample ID: GW-2 SDG No.: LB86795
Lab Sample ID: 12582-04 Matrix: WATER

Level (low/med): low % Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQI	L Unit	s Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0019	U	1	0.003		0.005	mg/L	04/07/2017	04/10/2017	9012B



Level (low/med):

low

Report of Analysis

Client: Date Collected:

Project: LB86795 Date Received:

Client Sample ID: LOWPB98136 SDG No.: LB86795

Lab Sample ID: LOWPB98136 Matrix: WATER

Parameter DF MDL LOD LOQ / CRQL Units Prep Date Ana Met. Cas Conc. Qua. Date Ana. 57-12-5 Cyanide 0.00940.003 0.005 04/10/2017 9012B mg/L

% Solid:

0



Lab Sample ID:

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax: 908 789 8922

Report of Analysis

Matrix:

WATER

Client: Date Collected:

Project: LB86795 Date Received:

Clarity Before:

Clarity After:

LOWPB98136

Client Sample ID: LOWPB98136 SDG No.: LB86795

Level (low/med): low % Solid: 0

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

Comments:

Color Before:

Color After:

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.

Texture:

Artifacts:

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: LB86795 **SDG No.:** LB86795

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis A	Analysis Time	Run
PB98136BL		WATER		Batch Number:		PB98136		Prep Date:	04/07/20)17
	Cyanide	-0.00061	< 0.005	U		0.005		04/10/2017	11:22	LB86795



- 5a -

MATRIX SPIKE SUMMARY

client:	LB86795		leve	el:	low		sdg no.:	LB86795		_	
contract:			lab	code	: CHEM	ſ	case no.:	LB86795	sa	s no.:	LB86795
matrix:	WATER		sample i	d:	<u>I2582-01</u>		_ client id:	GW-1MS		_	
Percent So	olids for Sample:	0	Spiked I	D:	I2582-01N	ИS	Percent Solid	ls for Spike Sa	mple:	0	
		Acceptance	Spiked		Sample		Spike	%			
Analyte	Units	Limit %R	Result	\mathbf{C}	Result	C	Added	Recovery	Qual	M	
Cyanide	mg/L	75 - 125	0.029		0.003	U	0.04	72.5	*		



- 5a -

MATRIX SPIKE DUPLICATE SUMMARY

client:	LB86795		level:	low		sdg no.:	LB86795		_	
contract:			lab code	: CHEN	1	case no.:	LB86795	sa	s no.:	LB86795
matrix:	WATER		sample id:	<u>12582-01</u>		_ client id:	GW-1MSD		_	
Percent So	olids for Sample:	0	Spiked ID:	I2582-011	MSD	Percent Solid	ls for Spike Sa	mple:	0	
		Acceptance	MSD	Sample		Spike	%			
Analyte	Units	Limit %R	Result C	Result	C	Added	Recovery	Qual	M	
Cvanide	mg/L	75 - 125	0.029	0.003	IJ	0.04	72.5	*		



- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	LB86795		Level:	LOW	SDG N	o.: <u>Ll</u>	B86795			
Contract:			Lab Code	: CHEM	Case N	o.: _Ll	B86795	\$	SAS No.:	LB86795
Matrix:	WATER		Sample ID:	12582-01	Client ID:	GW	/-1DUP			
Percent Solids for Sample: 0			Duplicate ID	I2582-01DUP	Percent So	olids for	Spike S	ample:	0	
Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M	
Cyanide	mg/L	20	0.003	U	-0.00048	U				_



- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	LB86795		Level:	LOW	SDG No	LB86795		_	
Contract:			Lab Code	e: <u>CHEM</u>	Case No	.: LB86795	SA	AS No.:	LB86795
Matrix:	WATER		Sample ID:	I2582-01MS	Client ID:	GW-1MSD		_	
Percent So	lids for Sample:	0	Duplicate ID	I2582-01MSD	Percent Sol	ids for Spike Sa	ample:	0	
Analyte	Units	Acceptance Limit	Sample Result		Duplicate Result C	C RPD	Qual	M	
Cyanide	mg/L	20	0.029		0.029	0			



- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	LB86795			SDG No.:	LB86795			
Contract:		Lab Code:	CHEM	Case No.:	LB86795	SAS No.:	LB86795	

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M	
PB98136BS								
Cyanide	mg/L	0.1	0.096		96	85 - 115		