

Daily Analysis Runlog For Sequence/QC Batch ID # LB92949

Review By

Review On

SubDirectory

LB92949

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP61322,WP61323,WP61324,WP61325,WP61326,WP61327,WP61328
ICV Standard	W1541
CCV Standard	WP61329
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP58910
Chk Standard	WP61331,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/26/18 10:00		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/26/18 10:00		OK
3	10PPBCN	10PPBCN	CAL3	01/26/18 10:00		OK
4	50PPBCN	50PPBCN	CAL4	01/26/18 10:00		OK
5	100PPBCN	100PPBCN	CAL5	01/26/18 10:00		OK
6	250PPBCN	250PPBCN	CAL6	01/26/18 10:00		OK
7	500PPBCN	500PPBCN	CAL7	01/26/18 10:00		OK
8	ICV1	ICV1	ICV	01/26/18 17:57		OK
9	ICB1	ICB1	ICB	01/26/18 17:57		OK
10	CCV1	CCV1	CCV	01/26/18 17:57		OK
11	CCB1	CCB1	CCB	01/26/18 17:57		OK
12	PB105918BL	PB105918BL	MB	01/26/18 18:05		OK
13	PB105918BS	PB105918BS	LCS	01/26/18 18:05		OK
14	J1236-06	TW-2	SAM	01/26/18 18:05		OK
15	J1236-06DUP	TW-2DUP	DUP	01/26/18 18:05		OK
16	CCV2	CCV2	CCV	01/26/18 18:05		OK
17	CCB2	CCB2	CCB	01/26/18 18:05		OK
18	J1236-06MS	TW-2MS	MS	01/26/18 18:05		OK
19	J1236-06MSD	TW-2MSD	MSD	01/26/18 18:05		OK
20	J1240-02	PT-1	SAM	01/26/18 18:09		OK
21	MIDPB105918	MIDPB105918	SAM	01/26/18 18:15		OK



Instrument ID : KONELAB

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

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Review By		Review On				
SubDirectory		Test : Cyanide				
LB92949						
STD. NAME		STD REF.#				
ICAL Standard		WP61322,WP61323,WP61324,WP61325,WP61326,WP61327,WP61328				
ICV Standard		W1541				
CCV Standard		WP61329				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61331,WP59958,WP60878				
22	CCV3	CCV3	CCV	01/26/18 18:33		OK
23	CCB3	CCB3	CCB	01/26/18 18:33		OK



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Report of Analysis

Client:		Date Collected:	1/18/2018 12:00:00 AM
Project:	LB92949	Date Received:	1/19/2018 12:00:00 AM
Client Sample ID:	TW-2	SDG No.:	LB92949
Lab Sample ID:	J1236-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.0015	J	1	0.001		0.005	mg/L	01/23/2018	01/26/2018	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	1/19/2018 12:00:00 AM
Project:	LB92949	Date Received:	1/19/2018 12:00:00 AM
Client Sample ID:	PT-1	SDG No.:	LB92949
Lab Sample ID:	J1240-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.00084	U	1	0.001		0.005	mg/L	01/23/2018	01/26/2018	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	
Project:	LB92949	Date Received:	
Client Sample ID:	MIDPB105918	SDG No.:	LB92949
Lab Sample ID:	MIDPB105918	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.26		1	0.001		0.005	mg/L		01/26/2018	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB92949	Date Received:	
Client Sample ID:	MIDPB105918	SDG No.:	LB92949
Lab Sample ID:	MIDPB105918	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: LB92949

SDG No.: LB92949

Contract: _____

Lab Code: CHEM

Case No.: LB92949

SAS No.: LB92949

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	Cyanide	0.1	0.099	101		85 - 115		01/26/2018	17:57	LB92949



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92949

SDG No.: LB92949

Contract: _____ Lab Code: CHEM

Case No.: LB92949

SAS No.: LB92949

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	Cyanide	0.25	0.25	100		90 - 110		01/26/2018	17:57	LB92949
CCV2	Cyanide	0.25	0.25	100		90 - 110		01/26/2018	18:05	LB92949
CCV3	Cyanide	0.26	0.25	104		90 - 110		01/26/2018	18:33	LB92949



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92949 **SDG No.:** LB92949
Contract: **Lab Code:** CHEM **Case No.:** LB92949 **SAS No.:** LB92949

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0006	+/-0.005	U		0.005		01/26/2018	17:57	LB92949



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92949

SDG No.: LB92949

Contract:

Lab Code: CHEM

Case No.: LB92949

SAS No.: LB92949

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00036	+/-0.005	U		0.005		01/26/2018	17:57	LB92949
CCB2	Cyanide	-0.00045	+/-0.005	U		0.005		01/26/2018	18:05	LB92949
CCB3	Cyanide	-0.00028	+/-0.005	U		0.005		01/26/2018	18:33	LB92949



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92949

SDG No.: LB92949

Contract: Lab Code: CHEM

Case No.: LB92949

SAS No.: LB92949

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB92949

SDG No.: LB92949

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB105918BL	Cyanide	WATER -0.00062	<0.005	Batch Number: U		PB105918 0.005		Prep Date: 01/26/2018	01/23/2018 18:05	LB92949



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92949 level: low sdg no.: LB92949
contract: lab code: CHEM case no.: LB92949 sas no.: LB92949
matrix: WATER sample id: J1236-06 client id: TW-2MS
Percent Solids for Sample: 0 Spiked ID: J1236-06MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.025		0.0015	J	0.04	59	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92949 level: low sdg no.: LB92949
contract: lab code: CHEM case no.: LB92949 sas no.: LB92949
matrix: WATER sample id: J1236-06 client id: TW-2MSD
Percent Solids for Sample: 0 Spiked ID: J1236-06MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.025		0.0015	J	0.04	59	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB92949 **Level:** LOW **SDG No.:** LB92949
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92949 **SAS No.:** LB92949
Matrix: WATER **Sample ID:** J1236-06 **Client ID:** TW-2DUP
Percent Solids for Sample: 0 **Duplicate ID** J1236-06DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.0015	J	0.0013	J	14		



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DUPLICATE SAMPLE SUMMARY

Client: LB92949 Level: LOW SDG No.: LB92949
Contract: Lab Code: CHEM Case No.: LB92949 SAS No.: LB92949
Matrix: WATER Sample ID: J1236-06MS Client ID: TW-2MSD
Percent Solids for Sample: 0 Duplicate ID J1236-06MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.025		0.025		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92949

SDG No.: LB92949

Contract:

Lab Code: CHEM

Case No.: LB92949

SAS No.: LB92949

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105918BS Cyanide	mg/L	0.1	0.099		99	85 - 115	