

Daily Analysis Runlog For Sequence/QC Batch ID # LB92691

Review By		Review On				
SubDirectory		LB92691		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP61060,WP61061,WP61062,WP61063,WP61064,WP61065,WP61066
ICV Standard	W1541
CCV Standard	WP61067
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP58910
Chk Standard	WP61069,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/18/18 09:18		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/18/18 09:18		OK
3	10PPBCN	10PPBCN	CAL3	01/18/18 09:18		OK
4	50PPBCN	50PPBCN	CAL4	01/18/18 09:18		OK
5	100PPBCN	100PPBCN	CAL5	01/18/18 09:18		OK
6	250PPBCN	250PPBCN	CAL6	01/18/18 09:18		OK
7	500PPBCN	500PPBCN	CAL7	01/18/18 09:18		OK
8	ICV1	ICV1	ICV	01/18/18 13:24		OK
9	ICB1	ICB1	ICB	01/18/18 13:24		OK
10	CCV1	CCV1	CCV	01/18/18 13:24		OK
11	CCB1	CCB1	CCB	01/18/18 13:25		OK
12	PB105751BL	PB105751BL	MB	01/18/18 13:25		OK
13	PB105751BS	PB105751BS	LCS	01/18/18 13:25		OK
14	J1173-01	UST-1-2	SAM	01/18/18 13:25		OK
15	J1173-01DUP	UST-1-2DUP	DUP	01/18/18 13:31		OK
16	J1173-01MS	UST-1-2MS	MS	01/18/18 13:31		OK
17	J1173-01MSD	UST-1-2MSD	MSD	01/18/18 13:31		OK
18	MDL-WATER-01	MDL-WATER-01	SAM	01/18/18 13:49		OK
19	MDL-WATER-02	MDL-WATER-02	SAM	01/18/18 13:49		OK
20	MDL-WATER-03	MDL-WATER-03	SAM	01/18/18 13:49		OK
21	CCV2	CCV2	CCV	01/18/18 13:49		OK



Instrument ID : KONELAB

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

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CRI Standard		N/A				
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Chk Standard		WP61069,WP59958,WP60878				
22	CCB2	CCB2	CCB	01/18/18 13:49		OK



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Report of Analysis

Client:		Date Collected:	1/17/2018 12:00:00 AM
Project:	LB92691	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	UST-1-2	SDG No.:	LB92691
Lab Sample ID:	J1173-01	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	0.00066	U	1	0.003		0.005	mg/L	01/18/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92691	Date Received:	
Client Sample ID:	MDL-WATER-01	SDG No.:	LB92691
Lab Sample ID:	MDL-WATER-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	0.00088	U	1	0.003		0.005	mg/L		01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92691	Date Received:	
Client Sample ID:	MDL-WATER-02	SDG No.:	LB92691
Lab Sample ID:	MDL-WATER-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.
57-12-5	Cyanide	0.001	U	1	0.003		0.005	mg/L		01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92691	Date Received:	
Client Sample ID:	MDL-WATER-03	SDG No.:	LB92691
Lab Sample ID:	MDL-WATER-03	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	0.0012	U	1	0.003		0.005	mg/L		01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92691	Date Received:	
Client Sample ID:	MDL-WATER-03	SDG No.:	LB92691
Lab Sample ID:	MDL-WATER-03	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: LB92691

SDG No.: LB92691

Contract: _____

Lab Code: CHEM

Case No.: LB92691

SAS No.: LB92691

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	Cyanide	0.097	0.099	98	0	85 - 115		01/18/2018	13:24	LB92691



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92691

SDG No.: LB92691

Contract:

Lab Code: CHEM

Case No.: LB92691

SAS No.: LB92691

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00098	+/-0.005	U		0.005		01/18/2018	13:24	LB92691



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92691

SDG No.: LB92691

Contract:

Lab Code: CHEM

Case No.: LB92691

SAS No.: LB92691

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0012	+/-0.005	U		0.005		01/18/2018	13:25	LB92691
CCB2	Cyanide	0.0015	+/-0.005	U		0.005		01/18/2018	13:49	LB92691



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92691

SDG No.: LB92691

Contract: Lab Code: CHEM

Case No.: LB92691

SAS No.: LB92691

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: LB92691

SDG No.: LB92691

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
PB105751BL	Cyanide	WATER 0.001	<0.005	Batch Number: U		PB105751 0.005		Prep Date: 01/18/2018	01/18/2018 13:25	LB92691



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92691 level: low sdg no.: LB92691
contract: lab code: CHEM case no.: LB92691 sas no.: LB92691
matrix: WATER sample id: J1173-01 client id: UST-1-2MS
Percent Solids for Sample: 0 Spiked ID: J1173-01MS 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	0.038		0.003	U	0.04	95		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92691 level: low sdg no.: LB92691
contract: lab code: CHEM case no.: LB92691 sas no.: LB92691
matrix: WATER sample id: J1173-01 client id: UST-1-2MSD
Percent Solids for Sample: 0 Spiked ID: J1173-01MSD 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	0.039		0.003	U	0.04	97.5		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92691 **Level:** LOW **SDG No.:** LB92691
Contract: **Lab Code:** CHEM **Case No.:** LB92691 **SAS No.:** LB92691
Matrix: WATER **Sample ID:** J1173-01 **Client ID:** UST-1-2DUP
Percent Solids for Sample: 0 **Duplicate ID** J1173-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.003	U	0.00055	U			

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92691 **Level:** LOW **SDG No.:** LB92691
Contract: **Lab Code:** CHEM **Case No.:** LB92691 **SAS No.:** LB92691
Matrix: WATER **Sample ID:** J1173-01MS **Client ID:** UST-1-2MSD
Percent Solids for Sample: 0 **Duplicate ID** J1173-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.038		0.039		3		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92691

SDG No.: LB92691

Contract:

Lab Code: CHEM

Case No.: LB92691

SAS No.: LB92691

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105751BS Cyanide	mg/L	0.1	0.097		97	85 - 115	