

Daily Analysis Runlog For Sequence/QC Batch ID # LB92635

Review By		Review On				
SubDirectory		LB92635		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60990,WP60991,WP60992,WP60993,WP60994,WP60995,WP60996				
ICV Standard		W1541				
CCV Standard		WP60998				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60999,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/16/18 11:36		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/16/18 11:36		OK
3	10PPBCN	10PPBCN	CAL3	01/16/18 11:36		OK
4	50PPBCN	50PPBCN	CAL4	01/16/18 11:36		OK
5	100PPBCN	100PPBCN	CAL5	01/16/18 11:36		OK
6	250PPBCN	250PPBCN	CAL6	01/16/18 11:36		OK
7	500PPBCN	500PPBCN	CAL7	01/16/18 11:36		OK
8	ICV1	ICV1	ICV	01/16/18 12:18		OK
9	ICB1	ICB1	ICB	01/16/18 12:18		OK
10	CCV1	CCV1	CCV	01/16/18 12:47		OK
11	CCB1	CCB1	CCB	01/16/18 12:47		OK
12	PB105693BL	PB105693BL	MB	01/16/18 12:47		OK
13	PB105693BS	PB105693BS	LCS	01/16/18 12:47		OK
14	LOWPB105693	LOWPB105693	SAM	01/16/18 12:47		OK
15	HIGHPB105693	HIGHPB105693	SAM	01/16/18 12:47		OK
16	J1014-01	HD-01-011518	SAM	01/16/18 12:47		OK
17	J1014-01DUP	HD-01-011518DUP	DUP	01/16/18 12:47		OK
18	J1014-01MS	HD-01-011518MS	MS	01/16/18 12:47		OK
19	J1014-01MSD	HD-01-011518MSD	MSD	01/16/18 12:54		OK
20	J1127-01	OCTOP2-01112018	SAM	01/16/18 12:54		OK
21	CCV2	CCV2	CCV	01/16/18 12:54		OK



Instrument ID : KONELAB

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

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ICV Standard		W1541				
CCV Standard		WP60998				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60999,WP59958,WP60878				
22	CCB2	CCB2	CCB	01/16/18 12:54		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB92635	Date Received:	
Client Sample ID:	HIGHPB105693	SDG No.:	LB92635
Lab Sample ID:	HIGHPB105693	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	0.49		1	0.003		0.005	mg/L		01/16/2018	9012B

Report of Analysis

Client:		Date Collected:	1/15/2018 12:00:00 AM
Project:	LB92635	Date Received:	1/15/2018 12:00:00 AM
Client Sample ID:	HD-01-011518	SDG No.:	LB92635
Lab Sample ID:	J1014-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.15	J	1	0.036		0.27	mg/Kg	01/16/2018	01/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92635	Date Received:	1/12/2018 12:00:00 AM
Client Sample ID:	OCTOP2-01112018	SDG No.:	LB92635
Lab Sample ID:	J1127-01	Matrix:	Solid
Level (low/med):	low	% Solid:	75.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.35		1	0.043		0.32	mg/Kg	01/16/2018	01/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92635	Date Received:	
Client Sample ID:	LOWPB105693	SDG No.:	LB92635
Lab Sample ID:	LOWPB105693	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	0.01		1	0.003		0.005	mg/L		01/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92635	Date Received:	
Client Sample ID:	LOWPB105693	SDG No.:	LB92635
Lab Sample ID:	LOWPB105693	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: LB92635

SDG No.: LB92635

Contract: _____ Lab Code: CHEM

Case No.: LB92635

SAS No.: LB92635

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	0.091	0.099	91.9	0	85 - 115		01/16/2018	12:18	LB92635



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92635

SDG No.: LB92635

Contract: _____ Lab Code: CHEM

Case No.: LB92635

SAS No.: LB92635

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	Cyanide	0.24	0.25	96	0	90 - 110		01/16/2018	12:47	LB92635
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		01/16/2018	12:54	LB92635



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92635

SDG No.: LB92635

Contract:

Lab Code: CHEM

Case No.: LB92635

SAS No.: LB92635

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00082	+/-0.005	U		0.005		01/16/2018	12:18	LB92635



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92635

SDG No.: LB92635

Contract:

Lab Code: CHEM

Case No.: LB92635

SAS No.: LB92635

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0011	+/-0.005	U		0.005		01/16/2018	12:47	LB92635
CCB2	Cyanide	0.0014	+/-0.005	U		0.005		01/16/2018	12:54	LB92635



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92635

SDG No.: LB92635

Contract: Lab Code: CHEM

Case No.: LB92635

SAS No.: LB92635

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: LB92635 **SDG No.:** LB92635

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
PB105693BL	Cyanide	SOLID 0.058	<0.25	Batch Number: J		PB105693 0.25		Prep Date: 01/16/2018	01/16/2018 12:47	LB92635



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- 5a -
MATRIX SPIKE SUMMARY

client: LB92635 level: low sdg no.: LB92635
contract: lab code: CHEM case no.: LB92635 sas no.: LB92635
matrix: Solid sample id: J1014-01 client id: HD-01-011518MS
Percent Solids for Sample: 89.8 Spiked ID: J1014-01MS Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.15	J	2.1	83		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92635 level: low sdg no.: LB92635
contract: lab code: CHEM case no.: LB92635 sas no.: LB92635
matrix: Solid sample id: J1014-01 client id: HD-01-011518MSD
Percent Solids for Sample: 89.8 Spiked ID: J1014-01MSD Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.15	J	2.2	80		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92635 **Level:** LOW **SDG No.:** LB92635
Contract: **Lab Code:** CHEM **Case No.:** LB92635 **SAS No.:** LB92635
Matrix: Solid **Sample ID:** J1014-01 **Client ID:** HD-01-011518DUP
Percent Solids for Sample: 89.8 **Duplicate ID** J1014-01DUP **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.15	J	0.12	J	22	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB92635 **Level:** LOW **SDG No.:** LB92635
Contract: **Lab Code:** CHEM **Case No.:** LB92635 **SAS No.:** LB92635
Matrix: Solid **Sample ID:** J1014-01MS **Client ID:** HD-01-011518MSD
Percent Solids for Sample: 89.8 **Duplicate ID** J1014-01MSD **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.9		0		

