

Daily Analysis Runlog For Sequence/QC Batch ID # LB94782

Review By		Review On				
SubDirectory		LB94782		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63857,WP63858,WP63859,WP63860,WP63861,WP63862,WP63863				
ICV Standard		W1542				
CCV Standard		WP63865				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63864,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/20/18 10:20		
2	5.0PPBCN	5.0PPBCN	CAL2	04/20/18 10:20		
3	10PPBCN	10PPBCN	CAL3	04/20/18 10:20		
4	50PPBCN	50PPBCN	CAL4	04/20/18 10:20		
5	100PPBCN	100PPBCN	CAL5	04/20/18 10:20		
6	250PPBCN	250PPBCN	CAL6	04/20/18 10:20		
7	500PPBCN	500PPBCN	CAL7	04/20/18 10:20		
8	ICV1	ICV1	ICV	04/20/18 14:29		
9	ICB1	ICB1	ICB	04/20/18 14:29		
10	CCV1	CCV1	CCV	04/20/18 14:29		
11	CCB1	CCB1	CCB	04/20/18 14:29		
12	PB108426BL	PB108426BL	MB	04/20/18 14:29		
13	PB108426BS	PB108426BS	LCS	04/20/18 14:29		
14	J2477-01	FK-PS-01-022	SAM	04/20/18 14:29		
15	J2477-01DUP	FK-PS-01-022DUP	DUP	04/20/18 14:29		
16	J2477-01MS	FK-PS-01-022MS	MS	04/20/18 14:29		
17	J2477-01MSD	FK-PS-01-022MSD	MSD	04/20/18 14:29		
18	J2482-02	NORTHLAWN-PREC	SAM	04/20/18 14:29		
19	J2482-04	NORTHLAWN-PREC	SAM	04/20/18 14:54		
20	J2482-06	NORTHLAWN-PREC	SAM	04/20/18 14:54		
21	CCV2	CCV2	CCV	04/20/18 14:54		



Instrument ID : KONELAB

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

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CCV Standard		WP63865			
ICSA Standard		N/A			
CRI Standard		N/A			
LCS Standard		WP62802			
Chk Standard		WP63864,WP59958,WP60878			
22	CCB2	CCB2	CCB	04/20/18 14:54	



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Report of Analysis

Client:		Date Collected:	4/19/2018 12:00:00 AM
Project:	LB94782	Date Received:	4/19/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-022	SDG No.:	LB94782
Lab Sample ID:	J2477-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.044	U	1	0.036		0.27	mg/Kg	04/20/2018	04/20/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/19/2018 12:00:00 AM
Project:	LB94782	Date Received:	4/20/2018 12:00:00 AM
Client Sample ID:	NORTHLAWN-PRECHAR-AREA-1	SDG No.:	LB94782
Lab Sample ID:	J2482-02	Matrix:	Solid
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.081	J	1	0.035		0.27	mg/Kg	04/20/2018	04/20/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/19/2018 12:00:00 AM
Project:	LB94782	Date Received:	4/20/2018 12:00:00 AM
Client Sample ID:	NORTHLAWN-PRECHAR-AREA-2	SDG No.:	LB94782
Lab Sample ID:	J2482-04	Matrix:	Solid
Level (low/med):	low	% Solid:	79

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.086	J	1	0.04		0.3	mg/Kg	04/20/2018	04/20/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/19/2018 12:00:00 AM
Project:	LB94782	Date Received:	4/20/2018 12:00:00 AM
Client Sample ID:	NORTHLAWN-PRECHAR-AREA-3	SDG No.:	LB94782
Lab Sample ID:	J2482-06	Matrix:	Solid
Level (low/med):	low	% Solid:	83.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.22	J	1	0.038		0.29	mg/Kg	04/20/2018	04/20/2018	9012B



Report of Analysis

Client:		Date Collected:	4/19/2018 12:00:00 AM
Project:	LB94782	Date Received:	4/20/2018 12:00:00 AM
Client Sample ID:	NORTHLAWN-PRECHAR-AREA-3	SDG No.:	LB94782
Lab Sample ID:	J2482-06	Matrix:	Solid
Level (low/med):	low	% Solid:	83.8

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: LB94782

SDG No.: LB94782

Contract: _____ Lab Code: CHEM

Case No.: LB94782

SAS No.: LB94782

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		04/20/2018	14:29	Lb94782
CCV2	Cyanide	0.26	0.25	104		90 - 110		04/20/2018	14:54	Lb94782



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94782

SDG No.: LB94782

Contract:

Lab Code: CHEM

Case No.: LB94782

SAS No.: LB94782

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0013	+/-0.005	U		0.005		04/20/2018	14:29	Lb94782

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00066	+/-0.005	U		0.005		04/20/2018	14:29	Lb94782
CCB2	Cyanide	-0.0012	+/-0.005	U		0.005		04/20/2018	14:54	Lb94782



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94782

SDG No.: LB94782

Contract: Lab Code: CHEM

Case No.: LB94782

SAS No.: LB94782

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

Client: LB94782

SDG No.: LB94782

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
PB108426BL		SOLID		Batch Number:		PB108426		Prep Date:	04/20/2018	
	Cyanide	-0.043	<0.24	U		0.24		04/20/2018	14:29	lb94782



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- 5a -
MATRIX SPIKE SUMMARY

client: LB94782 level: low sdg no.: LB94782
contract: lab code: CHEM case no.: LB94782 sas no.: LB94782
matrix: Solid sample id: J2477-01 client id: FK-PS-01-022MS
Percent Solids for Sample: 88.7 Spiked ID: J2477-01MS Percent Solids for Spike Sample: 88.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.036	U	2.2	86.4		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94782 level: low sdg no.: LB94782
contract: lab code: CHEM case no.: LB94782 sas no.: LB94782
matrix: Solid sample id: J2477-01 client id: FK-PS-01-022MSD
Percent Solids for Sample: 88.7 Spiked ID: J2477-01MSD Percent Solids for Spike Sample: 88.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.036	U	2.2	86.4		

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DUPLICATE SAMPLE SUMMARY

Client: LB94782 **Level:** LOW **SDG No.:** LB94782
Contract: **Lab Code:** CHEM **Case No.:** LB94782 **SAS No.:** LB94782
Matrix: Solid **Sample ID:** J2477-01 **Client ID:** FK-PS-01-022DUP
Percent Solids for Sample: 88.7 **Duplicate ID** J2477-01DUP **Percent Solids for Spike Sample:** 88.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.036	U	-0.05	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB94782 **Level:** LOW **SDG No.:** LB94782
Contract: **Lab Code:** CHEM **Case No.:** LB94782 **SAS No.:** LB94782
Matrix: Solid **Sample ID:** J2477-01MS **Client ID:** FK-PS-01-022MSD
Percent Solids for Sample: 88.7 **Duplicate ID** J2477-01MSD **Percent Solids for Spike Sample:** 88.7

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



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94782

SDG No.: LB94782

Contract:

Lab Code: CHEM

Case No.: LB94782

SAS No.: LB94782

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108426BS Cyanide	mg/Kg	4.9	4.6		93.9	85 - 115	