

Daily Analysis Runlog For Sequence/QC Batch ID # LB94740

Review By		Review On				
SubDirectory		LB94740		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP63810,WP63811,WP63812,WP63813,WP63814,WP63815,WP63816
ICV Standard	W1542
CCV Standard	WP63817
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
Chk Standard	WP63819,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/19/18 08:22		
2	5.0PPBCN	5.0PPBCN	CAL2	04/19/18 08:22		
3	10PPBCN	10PPBCN	CAL3	04/19/18 08:22		
4	50PPBCN	50PPBCN	CAL4	04/19/18 08:22		
5	100PPBCN	100PPBCN	CAL5	04/19/18 08:22		
6	250PPBCN	250PPBCN	CAL6	04/19/18 08:22		
7	500PPBCN	500PPBCN	CAL7	04/19/18 08:22		
8	ICV1	ICV1	ICV	04/19/18 14:20		
9	ICB1	ICB1	ICB	04/19/18 14:20		
10	CCV1	CCV1	CCV	04/19/18 14:20		
11	CCB1	CCB1	CCB	04/19/18 14:20		
12	PB108397BL	PB108397BL	MB	04/19/18 14:20		
13	PB108397BS	PB108397BS	LCS	04/19/18 14:20		
14	J2439-01	CDMP-B3-0-6	SAM	04/19/18 14:20		
15	J2439-01DUP	CDMP-B3-0-6DUP	DUP	04/19/18 14:20		
16	J2439-01MS	CDMP-B3-0-6MS	MS	04/19/18 14:20		
17	J2439-01MSD	CDMP-B3-0-6MSD	MSD	04/19/18 14:20		
18	J2439-02	CDMP-B3-15-17	SAM	04/19/18 14:20		
19	CCV2	CCV2	CCV	04/19/18 14:23		
20	CCB2	CCB2	CCB	04/19/18 14:23		

Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94740	Date Received:	4/18/2018 12:00:00 AM
Client Sample ID:	CDMP-B3-0-6	SDG No.:	LB94740
Lab Sample ID:	J2439-01	Matrix:	Solid
Level (low/med):	low	% Solid:	94.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.071	J	1	0.034		0.26	mg/Kg	04/19/2018	04/19/2018	9014



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Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94740	Date Received:	4/18/2018 12:00:00 AM
Client Sample ID:	CDMP-B3-15-17	SDG No.:	LB94740
Lab Sample ID:	J2439-02	Matrix:	Solid
Level (low/med):	low	% Solid:	82.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	-0.0035	U	1	0.037		0.28	mg/Kg	04/19/2018	04/19/2018	9014



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Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94740	Date Received:	4/18/2018 12:00:00 AM
Client Sample ID:	CDMP-B3-15-17	SDG No.:	LB94740
Lab Sample ID:	J2439-02	Matrix:	Solid
Level (low/med):	low	% Solid:	82.1

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



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94740 **SDG No.:** LB94740
Contract: **Lab Code:** CHEM **Case No.:** LB94740 **SAS No.:** LB94740

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00013	+/-0.005	U		0.005		04/19/2018	14:20	lb94740



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94740

SDG No.: LB94740

Contract:

Lab Code: CHEM

Case No.: LB94740

SAS No.: LB94740

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00024	+/-0.005	U		0.005		04/19/2018	14:20	lb94740
CCB2	Cyanide	-0.00052	+/-0.005	U		0.005		04/19/2018	14:23	lb94740



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94740

SDG No.: LB94740

Contract: Lab Code: CHEM

Case No.: LB94740

SAS No.: LB94740

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

Client: LB94740

SDG No.: LB94740

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
PB108397BL		SOLID		Batch Number:		PB108397		Prep Date:	04/19/2018	
	Cyanide	-0.015	<0.25	U		0.25		04/19/2018	14:20	lb94740

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MATRIX SPIKE SUMMARY

client: LB94740 level: low sdg no.: LB94740
contract: lab code: CHEM case no.: LB94740 sas no.: LB94740
matrix: Solid sample id: J2439-01 client id: CDMP-B3-0-6MS
Percent Solids for Sample: 94.5 Spiked ID: J2439-01MS Percent Solids for Spike Sample: 94.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	3.7		0.071	J	2	181	*	



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB94740 level: low sdg no.: LB94740
contract: lab code: CHEM case no.: LB94740 sas no.: LB94740
matrix: Solid sample id: J2439-01 client id: CDMP-B3-0-6MSD
Percent Solids for Sample: 94.5 Spiked ID: J2439-01MSD Percent Solids for Spike Sample: 94.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	3.8		0.071	J	2.1	178	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB94740 **Level:** LOW **SDG No.:** LB94740
Contract: **Lab Code:** CHEM **Case No.:** LB94740 **SAS No.:** LB94740
Matrix: Solid **Sample ID:** J2439-01 **Client ID:** CDMP-B3-0-6DUP
Percent Solids for Sample: 94.5 **Duplicate ID** J2439-01DUP **Percent Solids for Spike Sample:** 94.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.071	J	0.089	J	23	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB94740 **Level:** LOW **SDG No.:** LB94740
Contract: **Lab Code:** CHEM **Case No.:** LB94740 **SAS No.:** LB94740
Matrix: Solid **Sample ID:** J2439-01MS **Client ID:** CDMP-B3-0-6MSD
Percent Solids for Sample: 94.5 **Duplicate ID** J2439-01MSD **Percent Solids for Spike Sample:** 94.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	3.7		3.8		3		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94740

SDG No.: LB94740

Contract:

Lab Code: CHEM

Case No.: LB94740

SAS No.: LB94740

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108397BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	