

Daily Analysis Runlog For Sequence/QC Batch ID # LB90112

Review By		Review On				
SubDirectory		LB90112		Test : Reactive Cyanide		

STD. NAME	STD REF.#
ICAL Standard	wp57953,wp57954,wp57955,wp57956,wp57957,wp57958,wp57951
ICV Standard	wp57961
CCV Standard	wp57959
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	wp5796,wp55355,wp55836

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/15/17 13:54		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/15/17 13:54		OK
3	10PPBCN	10PPBCN	CAL3	09/15/17 13:54		OK
4	50PPBCN	50PPBCN	CAL4	09/15/17 13:54		OK
5	100PPBCN	100PPBCN	CAL5	09/15/17 13:54		OK
6	250PPBCN	250PPBCN	CAL6	09/15/17 13:54		OK
7	500PPBCN	500PPBCN	CAL7	09/15/17 13:54		OK
8	ICV1	ICV1	ICV	09/15/17 15:32		OK
9	ICB1	ICB1	ICB	09/15/17 15:32		OK
10	CCV1	CCV1	CCV	09/15/17 15:32		OK
11	CCB1	CCB1	CCB	09/15/17 15:32		OK
12	PB102360BL	PB102360BL	MB	09/15/17 15:32		OK
13	I5249-02	ROLL-OFF1	SAM	09/15/17 15:32		OK
14	I5249-02DUP	ROLL-OFF1DUP	DUP	09/15/17 15:32		OK
15	I5250-03	OK-01-091417	SAM	09/15/17 15:37		OK
16	I5252-02	TP-1-COMP	SAM	09/15/17 15:37		OK
17	CCV2	CCV2	CCV	09/15/17 15:37		OK
18	CCB2	CCB2	CCB	09/15/17 15:37		OK



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Report of Analysis

Client:		Date Collected:	9/14/2017 12:00:00 AM
Project:	LB90112	Date Received:	9/14/2017 12:00:00 AM
Client Sample ID:	ROLL-OFF1	SDG No.:	LB90112
Lab Sample ID:	I5249-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.012	U	1	0.025		0.05	mg/Kg	09/15/2017	09/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/14/2017 12:00:00 AM
Project:	LB90112	Date Received:	9/14/2017 12:00:00 AM
Client Sample ID:	OK-01-091417	SDG No.:	LB90112
Lab Sample ID:	I5250-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.018	U	1	0.025		0.05	mg/Kg	09/15/2017	09/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/14/2017 12:00:00 AM
Project:	LB90112	Date Received:	9/14/2017 12:00:00 AM
Client Sample ID:	TP-1-COMP	SDG No.:	LB90112
Lab Sample ID:	I5252-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.014	U	1	0.025		0.049	mg/Kg	09/15/2017	09/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/14/2017 12:00:00 AM
Project:	LB90112	Date Received:	9/14/2017 12:00:00 AM
Client Sample ID:	TP-1-COMP	SDG No.:	LB90112
Lab Sample ID:	I5252-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90112

SDG No.: LB90112

Contract: _____

Lab Code: CHEM

Case No.: LB90112

SAS No.: LB90112

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	Reactive Cyanide	0.095	0.099	96	0	85 - 115		09/15/2017	15:32	LB90112



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90112

SDG No.: LB90112

Contract: _____ Lab Code: CHEM

Case No.: LB90112

SAS No.: LB90112

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	Reactive Cyanide	0.24	0.25	96	0	90 - 110		09/15/2017	15:32	LB90112
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		09/15/2017	15:37	LB90112



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90112

SDG No.: LB90112

Contract:

Lab Code: CHEM

Case No.: LB90112

SAS No.: LB90112

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00097	+/-0.005	U		0.005		09/15/2017	15:32	LB90112



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90112

SDG No.: LB90112

Contract:

Lab Code: CHEM

Case No.: LB90112

SAS No.: LB90112

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00069	+/-0.005	U		0.005		09/15/2017	15:32	LB90112
CCB2	Reactive Cyanide	0.002	+/-0.005	U		0.005		09/15/2017	15:37	LB90112



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90112

SDG No.: LB90112

Contract: Lab Code: CHEM

Case No.: LB90112

SAS No.: LB90112

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: LB90112

SDG No.: LB90112

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
PB102360BL	Reactive Cyanide	SOLID -0.0096	<0.05	Batch Number: U		PB102360 0.05		Prep Date: 09/15/2017	09/15/2017 15:32	LB90112

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DUPLICATE SAMPLE SUMMARY

Client: LB90112 **Level:** LOW **SDG No.:** LB90112
Contract: **Lab Code:** CHEM **Case No.:** LB90112 **SAS No.:** LB90112
Matrix: Solid **Sample ID:** I5249-02 **Client ID:** ROLL-OFF1DUP
Percent Solids for Sample: 100 **Duplicate ID** I5249-02DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.014	U			