

Daily Analysis Runlog For Sequence/QC Batch ID # LB90111

Review By		Review On				
SubDirectory		LB90111		Test : 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		wp57960,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 14:29		OK
9	ICB1	ICB1	ICB	09/15/17 14:29		OK
10	CCV1	CCV1	CCV	09/15/17 14:29		OK
11	CCB1	CCB1	CCB	09/15/17 14:29		OK
12	PB102359BL	PB102359BL	MB	09/15/17 14:29		OK
13	PB102359BS	PB102359BS	LCS	09/15/17 14:29		OK
14	LOWPB102359	LOWPB102359	SAM	09/15/17 14:37		OK
15	HIGHPB102359	HIGHPB102359	SAM	09/15/17 14:37		OK
16	I5250-01MS	OK-01-091417MS	MS	09/15/17 14:37		OK
17	I5250-01MSD	OK-01-091417MSD	MSD	09/15/17 14:37		OK
18	I5252-01	TP-1-COMP	SAM	09/15/17 14:37		OK
19	I5250-01	OK-01-091417	SAM	09/15/17 14:52		OK
20	I5250-01DUP	OK-01-091417DUP	DUP	09/15/17 14:55		OK
21	CCV2	CCV2	CCV	09/15/17 14:55		OK



Instrument ID : KONELAB

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

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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		wp57960,wp55355,wp55836				
22	CCB2	CCB2	CCB	09/15/17 14:55		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB90111	Date Received:	
Client Sample ID:	HIGHPB102359	SDG No.:	LB90111
Lab Sample ID:	HIGHPB102359	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	0.48		1	0.003		0.005	mg/L		09/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/14/2017 12:00:00 AM
Project:	LB90111	Date Received:	9/14/2017 12:00:00 AM
Client Sample ID:	OK-01-091417	SDG No.:	LB90111
Lab Sample ID:	I5250-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.034	U	1	0.035		0.26	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:	LB90111	Date Received:	9/14/2017 12:00:00 AM
Client Sample ID:	TP-1-COMP	SDG No.:	LB90111
Lab Sample ID:	I5252-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.01	U	1	0.036		0.27	mg/Kg	09/15/2017	09/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB90111	Date Received:	
Client Sample ID:	LOWPB102359	SDG No.:	LB90111
Lab Sample ID:	LOWPB102359	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	0.0092		1	0.003		0.005	mg/L		09/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB90111	Date Received:	
Client Sample ID:	LOWPB102359	SDG No.:	LB90111
Lab Sample ID:	LOWPB102359	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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90111

SDG No.: LB90111

Contract: _____ Lab Code: CHEM

Case No.: LB90111

SAS No.: LB90111

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		09/15/2017	14:29	LB90111
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		09/15/2017	14:55	LB90111



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90111 **SDG No.:** LB90111
Contract: **Lab Code:** CHEM **Case No.:** LB90111 **SAS No.:** LB90111

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0	+/-0.005	U		0.005		09/15/2017	14:29	LB90111



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90111

SDG No.: LB90111

Contract:

Lab Code: CHEM

Case No.: LB90111

SAS No.: LB90111

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00059	+/-0.005	U		0.005		09/15/2017	14:29	LB90111
CCB2	Cyanide	-0.00053	+/-0.005	U		0.005		09/15/2017	14:55	LB90111



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90111

SDG No.: LB90111

Contract:

Lab Code: CHEM

Case No.: LB90111

SAS No.: LB90111

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

Client: LB90111

SDG No.: LB90111

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
PB102359BL		SOLID		Batch Number:		PB102359		Prep Date:	09/15/2017	
	Cyanide	-0.058	<0.25	U		0.25		09/15/2017	14:29	LB90111



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB90111 level: low sdg no.: LB90111
contract: lab code: CHEM case no.: LB90111 sas no.: LB90111
matrix: Solid sample id: I5250-01 client id: OK-01-091417MS
Percent Solids for Sample: 91.6 Spiked ID: I5250-01MS Percent Solids for Spike Sample: 91.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.035	U	2.1	90.5		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90111 level: low sdg no.: LB90111
contract: lab code: CHEM case no.: LB90111 sas no.: LB90111
matrix: Solid sample id: I5250-01 client id: OK-01-091417MSD
Percent Solids for Sample: 91.6 Spiked ID: I5250-01MSD Percent Solids for Spike Sample: 91.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.035	U	2.1	85.7		

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DUPLICATE SAMPLE SUMMARY

Client: LB90111 **Level:** LOW **SDG No.:** LB90111
Contract: **Lab Code:** CHEM **Case No.:** LB90111 **SAS No.:** LB90111
Matrix: Solid **Sample ID:** I5250-01 **Client ID:** OK-01-091417DUP
Percent Solids for Sample: 91.6 **Duplicate ID** I5250-01DUP **Percent Solids for Spike Sample:** 91.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.035	U	0.052	J	200.0		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90111 **Level:** LOW **SDG No.:** LB90111
Contract: **Lab Code:** CHEM **Case No.:** LB90111 **SAS No.:** LB90111
Matrix: Solid **Sample ID:** I5250-01MS **Client ID:** OK-01-091417MSD
Percent Solids for Sample: 91.6 **Duplicate ID** I5250-01MSD **Percent Solids for Spike Sample:** 91.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.8		5		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90111

SDG No.: LB90111

Contract:

Lab Code: CHEM

Case No.: LB90111

SAS No.: LB90111

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102359BS Cyanide	mg/Kg	4.9	4.6		93.9	85 - 115	