

Daily Analysis Runlog For Sequence/QC Batch ID # LB89832

Review By

Review On

SubDirectory

LB89832

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP57635,WP57636,WP57637,WP57638,WP57639,WP57640,WP57633				
ICV Standard		WP57642				
CCV Standard		WP57643				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57641,WP55355,WP55836				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/01/17 10:14		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/01/17 10:14		OK
3	10PPBCN	10PPBCN	CAL3	09/01/17 10:14		OK
4	50PPBCN	50PPBCN	CAL4	09/01/17 10:14		OK
5	100PPBCN	100PPBCN	CAL5	09/01/17 10:14		OK
6	250PPBCN	250PPBCN	CAL6	09/01/17 10:14		OK
7	500PPBCN	500PPBCN	CAL7	09/01/17 10:14		OK
8	ICV1	ICV1	ICV	09/01/17 10:53		OK
9	ICB1	ICB1	ICB	09/01/17 10:53		OK
10	CCV1	CCV1	CCV	09/01/17 10:53		OK
11	CCB1	CCB1	CCB	09/01/17 10:53		OK
12	PB101975BL	PB101975BL	MB	09/01/17 10:53		OK
13	PB101975BS	PB101975BS	LCS	09/01/17 10:53		OK
14	LOWPB101975	LOWPB101975	SAM	09/01/17 11:00		OK
15	HIGHPB101975	HIGHPB101975	SAM	09/01/17 11:00		OK
16	I5036-01	T2-T3-COMP	SAM	09/01/17 11:00		OK
17	I5036-01DUP	T2-T3-COMPDUP	DUP	09/01/17 11:00		OK
18	I5036-01MS	T2-T3-COMPMS	MS	09/01/17 11:00		OK
19	I5036-01MSD	T2-T3-COMPMSD	MSD	09/01/17 11:00		OK
20	I5049-01	TR-04-083017	SAM	09/01/17 11:00		OK
21	I5050-01	RT4651-1540	SAM	09/01/17 11:00		OK

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SubDirectory		Test : Cyanide				
LB89832						
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ICV Standard		WP57642				
CCV Standard		WP57643				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57641,WP55355,WP55836				
22	CCV2	CCV2	CCV	09/01/17 11:00		OK
23	CCB2	CCB2	CCB	09/01/17 11:00		OK
24	I5051-01	TEC-B2-COMP	SAM	09/01/17 11:05		OK
25	I5055-01	RT3992-20-41-RT34	SAM	09/01/17 11:05		OK
26	CCV3	CCV3	CCV	09/01/17 11:05		OK
27	CCB3	CCB3	CCB	09/01/17 11:05		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB89832	Date Received:	
Client Sample ID:	HIGHPB101975	SDG No.:	LB89832
Lab Sample ID:	HIGHPB101975	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		09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89832	Date Received:	8/30/2017 12:00:00 AM
Client Sample ID:	T2-T3-COMP	SDG No.:	LB89832
Lab Sample ID:	I5036-01	Matrix:	Solid
Level (low/med):	low	% Solid:	83

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.033	U	1	0.039		0.29	mg/Kg	08/31/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89832	Date Received:	8/30/2017 12:00:00 AM
Client Sample ID:	TR-04-083017	SDG No.:	LB89832
Lab Sample ID:	I5049-01	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	-0.016	U	1	0.036		0.27	mg/Kg	08/31/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89832	Date Received:	8/30/2017 12:00:00 AM
Client Sample ID:	RT4651-1540	SDG No.:	LB89832
Lab Sample ID:	I5050-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.077	U	1	0.034		0.26	mg/Kg	08/31/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89832	Date Received:	8/30/2017 12:00:00 AM
Client Sample ID:	TEC-B2-COMP	SDG No.:	LB89832
Lab Sample ID:	I5051-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.055	U	1	0.037		0.28	mg/Kg	08/31/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89832	Date Received:	8/30/2017 12:00:00 AM
Client Sample ID:	RT3992-20-41-RT3451-1550	SDG No.:	LB89832
Lab Sample ID:	I5055-01	Matrix:	Solid
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.021	U	1	0.035		0.26	mg/Kg	08/31/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89832	Date Received:	
Client Sample ID:	LOWPB101975	SDG No.:	LB89832
Lab Sample ID:	LOWPB101975	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	0.009		1	0.003		0.005	mg/L		09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89832	Date Received:	
Client Sample ID:	LOWPB101975	SDG No.:	LB89832
Lab Sample ID:	LOWPB101975	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: LB89832

SDG No.: LB89832

Contract: _____ Lab Code: CHEM

Case No.: LB89832

SAS No.: LB89832

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	0.25	0.25	100	0	90 - 110		09/01/2017	10:53	LB89832
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		09/01/2017	11:00	LB89832
CCV3	Cyanide	0.26	0.25	104	0	90 - 110		09/01/2017	11:05	LB89832



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89832 **SDG No.:** LB89832
Contract: **Lab Code:** CHEM **Case No.:** LB89832 **SAS No.:** LB89832

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00097	+/-0.005	U		0.005		09/01/2017	10:53	LB89832

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.001	+/-0.005	U		0.005		09/01/2017	10:53	LB89832
CCB2	Cyanide	-0.0011	+/-0.005	U		0.005		09/01/2017	11:00	LB89832
CCB3	Cyanide	-0.00083	+/-0.005	U		0.005		09/01/2017	11:05	LB89832



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB89832

SDG No.:

LB89832

Contract:

Lab Code:

CHEM

Case No.:

LB89832

SAS No.:

LB89832

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: LB89832

SDG No.: LB89832

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
PB101975BL		SOLID		Batch Number:		PB101975		Prep Date:	08/31/2017	
	Cyanide	-0.041	<0.24	U		0.24		09/01/2017	10:53	LB89832



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MATRIX SPIKE SUMMARY

client: LB89832 level: low sdg no.: LB89832
contract: lab code: CHEM case no.: LB89832 sas no.: LB89832
matrix: Solid sample id: I5036-01 client id: T2-T3-COMPMS
Percent Solids for Sample: 83 Spiked ID: I5036-01MS Percent Solids for Spike Sample: 83

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.039	U	2.4	83.3		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89832 level: low sdg no.: LB89832
contract: lab code: CHEM case no.: LB89832 sas no.: LB89832
matrix: Solid sample id: I5036-01 client id: T2-T3-COMPMSD
Percent Solids for Sample: 83 Spiked ID: I5036-01MSD Percent Solids for Spike Sample: 83

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.039	U	2.3	82.6		

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DUPLICATE SAMPLE SUMMARY

Client: LB89832 **Level:** LOW **SDG No.:** LB89832
Contract: **Lab Code:** CHEM **Case No.:** LB89832 **SAS No.:** LB89832
Matrix: Solid **Sample ID:** I5036-01 **Client ID:** T2-T3-COMPDUP
Percent Solids for Sample: 83 **Duplicate ID** I5036-01DUP **Percent Solids for Spike Sample:** 83

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.039	U	-0.07	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB89832 **Level:** LOW **SDG No.:** LB89832
Contract: **Lab Code:** CHEM **Case No.:** LB89832 **SAS No.:** LB89832
Matrix: Solid **Sample ID:** I5036-01MS **Client ID:** T2-T3-COMPMSD
Percent Solids for Sample: 83 **Duplicate ID** I5036-01MSD **Percent Solids for Spike Sample:** 83

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		1.9		5		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89832

SDG No.: LB89832

Contract:

Lab Code: CHEM

Case No.: LB89832

SAS No.: LB89832

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101975BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	