

Daily Analysis Runlog For Sequence/QC Batch ID # LB89842

Review By

Review On

SubDirectory

LB89842

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 14:55		OK
9	ICB1	ICB1	ICB	09/01/17 14:55		OK
10	CCV1	CCV1	CCV	09/01/17 14:55		OK
11	CCB1	CCB1	CCB	09/01/17 14:55		OK
12	PB102021BL	PB102021BL	MB	09/01/17 14:55		OK
13	PB102021BS	PB102021BS	LCS	09/01/17 14:55		OK
14	LOWPB102021	LOWPB102021	SAM	09/01/17 14:55		OK
15	HIGHPB102021	HIGHPB102021	SAM	09/01/17 15:02		OK
16	I5066-01	CF-1	SAM	09/01/17 15:02		OK
17	I5066-01DUP	CF-1DUP	DUP	09/01/17 15:02		OK
18	I5066-01MS	CF-1MS	MS	09/01/17 15:02		OK
19	I5066-01MSD	CF-1MSD	MSD	09/01/17 15:02		OK
20	I5068-01	HR-06-083117	SAM	09/01/17 15:02		OK
21	I5069-01	I1I5	SAM	09/01/17 15:02		OK

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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 15:02		OK
23	CCB2	CCB2	CCB	09/01/17 15:02		OK
24	I5073-01	TP-1-2-COMP	SAM	09/01/17 15:02		OK
25	I5073-08	TP-3-4-COMP	SAM	09/01/17 15:03		OK
26	I5074-01	TP-5-6-COMP	SAM	09/01/17 15:07		OK
27	I5074-08	TP-7-8-COMP	SAM	09/01/17 15:07		OK
28	I5074-15	TP-9-10-COMP	SAM	09/01/17 15:07		OK
29	CCV3	CCV3	CCV	09/01/17 15:07		OK
30	CCB3	CCB3	CCB	09/01/17 15:07		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB89842	Date Received:	
Client Sample ID:	HIGHPB102021	SDG No.:	LB89842
Lab Sample ID:	HIGHPB102021	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:	LB89842	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	CF-1	SDG No.:	LB89842
Lab Sample ID:	I5066-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.039	U	1	0.038		0.29	mg/Kg	09/01/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB89842	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	HR-06-083117	SDG No.:	LB89842
Lab Sample ID:	I5068-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.016	U	1	0.034		0.26	mg/Kg	09/01/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB89842	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	1115	SDG No.:	LB89842
Lab Sample ID:	I5069-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.014	U	1	0.035		0.26	mg/Kg	09/01/2017	09/01/2017	9012B

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB89842	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-1-2-COMP	SDG No.:	LB89842
Lab Sample ID:	I5073-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.027	U	1	0.037		0.28	mg/Kg	09/01/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB89842	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-3-4-COMP	SDG No.:	LB89842
Lab Sample ID:	I5073-08	Matrix:	Solid
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.06	U	1	0.035		0.27	mg/Kg	09/01/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB89842	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-5-6-COMP	SDG No.:	LB89842
Lab Sample ID:	I5074-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.026	U	1	0.036		0.28	mg/Kg	09/01/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB89842	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-7-8-COMP	SDG No.:	LB89842
Lab Sample ID:	I5074-08	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	-0.057	U	1	0.038		0.28	mg/Kg	09/01/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB89842	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-9-10-COMP	SDG No.:	LB89842
Lab Sample ID:	I5074-15	Matrix:	Solid
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.038	U	1	0.036		0.27	mg/Kg	09/01/2017	09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89842	Date Received:	
Client Sample ID:	LOWPB102021	SDG No.:	LB89842
Lab Sample ID:	LOWPB102021	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	0.0087		1	0.003		0.005	mg/L		09/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89842	Date Received:	
Client Sample ID:	LOWPB102021	SDG No.:	LB89842
Lab Sample ID:	LOWPB102021	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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89842

SDG No.: LB89842

Contract: _____ Lab Code: CHEM

Case No.: LB89842

SAS No.: LB89842

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	14:55	LB89842
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		09/01/2017	15:02	LB89842
CCV3	Cyanide	0.26	0.25	104	0	90 - 110		09/01/2017	15:07	LB89842



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89842 **SDG No.:** LB89842
Contract: **Lab Code:** CHEM **Case No.:** LB89842 **SAS No.:** LB89842

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00032	+/-0.005	U		0.005		09/01/2017	14:55	LB89842

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00067	+/-0.005	U		0.005		09/01/2017	14:55	LB89842
CCB2	Cyanide	-0.0011	+/-0.005	U		0.005		09/01/2017	15:02	LB89842
CCB3	Cyanide	-0.0005	+/-0.005	U		0.005		09/01/2017	15:07	LB89842



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89842

SDG No.: LB89842

Contract: Lab Code: CHEM

Case No.: LB89842

SAS No.: LB89842

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

Client: LB89842

SDG No.: LB89842

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
PB102021BL	Cyanide	SOLID -0.012	<0.25	Batch Number: U		PB102021 0.25		Prep Date: 09/01/2017	09/01/2017 14:55	LB89842



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89842 level: low sdg no.: LB89842
contract: lab code: CHEM case no.: LB89842 sas no.: LB89842
matrix: Solid sample id: I5066-01 client id: CF-1MS
Percent Solids for Sample: 84.7 Spiked ID: I5066-01MS Percent Solids for Spike Sample: 84.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.038	U	2.3	87		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89842 level: low sdg no.: LB89842
contract: lab code: CHEM case no.: LB89842 sas no.: LB89842
matrix: Solid sample id: I5066-01 client id: CF-1MSD
Percent Solids for Sample: 84.7 Spiked ID: I5066-01MSD Percent Solids for Spike Sample: 84.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.038	U	2.3	87		

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB89842 **Level:** LOW **SDG No.:** LB89842
Contract: **Lab Code:** CHEM **Case No.:** LB89842 **SAS No.:** LB89842
Matrix: Solid **Sample ID:** I5066-01 **Client ID:** CF-1DUP
Percent Solids for Sample: 84.7 **Duplicate ID** I5066-01DUP **Percent Solids for Spike Sample:** 84.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.038	U	-0.058	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89842 **Level:** LOW **SDG No.:** LB89842
Contract: **Lab Code:** CHEM **Case No.:** LB89842 **SAS No.:** LB89842
Matrix: Solid **Sample ID:** I5066-01MS **Client ID:** CF-1MSD
Percent Solids for Sample: 84.7 **Duplicate ID** I5066-01MSD **Percent Solids for Spike Sample:** 84.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		2		0		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89842

SDG No.: LB89842

Contract:

Lab Code: CHEM

Case No.: LB89842

SAS No.: LB89842

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102021BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	