

Daily Analysis Runlog For Sequence/QC Batch ID # LB89690

Review By

Review On

SubDirectory

LB89690

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP57461,WP57462,WP57463,WP57464,WP57465,WP57466,WP57467,WP57468,WP57469,WP57470				
ICV Standard		wp57470				
CCV Standard		wp57468				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57469,WP55355,WP55836				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/24/17 09:11		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/24/17 09:11		OK
3	10PPBCN	10PPBCN	CAL3	08/24/17 09:11		OK
4	50PPBCN	50PPBCN	CAL4	08/24/17 09:11		OK
5	100PPBCN	100PPBCN	CAL5	08/24/17 09:11		OK
6	250PPBCN	250PPBCN	CAL6	08/24/17 09:11		OK
7	500PPBCN	500PPBCN	CAL7	08/24/17 09:11		OK
8	ICV1	ICV1	ICV	08/24/17 09:49		OK
9	ICB1	ICB1	ICB	08/24/17 09:49		OK
10	CCV1	CCV1	CCV	08/24/17 09:49		OK
11	CCB1	CCB1	CCB	08/24/17 09:49		OK
12	PB101762BL	PB101762BL	MB	08/24/17 09:49		OK
13	PB101762BS	PB101762BS	LCS	08/24/17 09:56		OK
14	LOW101762	LOW101762	SAM	08/24/17 09:56		OK
15	HIGH101762	HIGH101762	SAM	08/24/17 09:57		OK
16	I4920-01MS	FK-SF-03-002-AMS	MS	08/24/17 09:57		OK
17	I4920-01MSD	FK-SF-03-002-AMSD	MSD	08/24/17 09:57		OK
18	I4920-03	FK-SF-03-002-B	SAM	08/24/17 09:57		OK
19	I4922-01	SA-01-082217	SAM	08/24/17 09:57		OK
20	CCV2	CCV2	CCV	08/24/17 09:57		OK
21	CCB2	CCB2	CCB	08/24/17 10:00		OK



Instrument ID : KONELAB

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

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SubDirectory		Test : Cyanide				
LB89690						
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ICAL Standard		WP57461,WP57462,WP57463,WP57464,WP57465,WP57466,WP57467,WP57468,WP57469,WP57470				
ICV Standard		wp57470				
CCV Standard		wp57468				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57469,WP55355,WP55836				
22	I4920-01	FK-SF-03-002-A	SAM	08/24/17 10:50		OK
23	I4920-01DUP	FK-SF-03-002-ADUP	DUP	08/24/17 10:50		OK
24	CCV2	CCV2	CCV	08/24/17 10:50		OK
25	CCB2	CCB2	CCB	08/24/17 10:50		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB89690	Date Received:	
Client Sample ID:	HIGH101762	SDG No.:	LB89690
Lab Sample ID:	HIGH101762	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	0.49		1	0.003		0.005	mg/L		08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/21/2017 12:00:00 AM
Project:	LB89690	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	FK-SF-03-002-A	SDG No.:	LB89690
Lab Sample ID:	I4920-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.026	U	1	0.034		0.26	mg/Kg	08/23/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/21/2017 12:00:00 AM
Project:	LB89690	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	FK-SF-03-002-B	SDG No.:	LB89690
Lab Sample ID:	I4920-03	Matrix:	Solid
Level (low/med):	low	% Solid:	92.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.043	U	1	0.034		0.26	mg/Kg	08/23/2017	08/24/2017	9012B

Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89690	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	SA-01-082217	SDG No.:	LB89690
Lab Sample ID:	I4922-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.068	U	1	0.034		0.25	mg/Kg	08/23/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89690	Date Received:	
Client Sample ID:	LOW101762	SDG No.:	LB89690
Lab Sample ID:	LOW101762	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	0.0089		1	0.003		0.005	mg/L		08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89690	Date Received:	
Client Sample ID:	LOW101762	SDG No.:	LB89690
Lab Sample ID:	LOW101762	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: LB89690

SDG No.: LB89690

Contract: _____ Lab Code: CHEM

Case No.: LB89690

SAS No.: LB89690

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		08/24/2017	09:49	LB89690
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		08/24/2017	09:57	LB89690



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89690 **SDG No.:** LB89690
Contract: **Lab Code:** CHEM **Case No.:** LB89690 **SAS No.:** LB89690

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00091	+/-0.005	U		0.005		08/24/2017	09:49	LB89690



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89690

SDG No.: LB89690

Contract:

Lab Code: CHEM

Case No.: LB89690

SAS No.: LB89690

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0012	+/-0.005	U		0.005		08/24/2017	09:49	LB89690
CCB2	Cyanide	-0.0011	+/-0.005	U		0.005		08/24/2017	10:00	LB89690



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB89690

SDG No.:

LB89690

Contract:

Lab Code:

CHEM

Case No.:

LB89690

SAS No.:

LB89690

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: LB89690

SDG No.: LB89690

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
PB101762BL	Cyanide	SOLID -0.074	<0.25	Batch Number: U		PB101762 0.25		Prep Date: 08/24/2017	08/23/2017 09:49	LB89690



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89690 level: low sdg no.: LB89690
contract: lab code: CHEM case no.: LB89690 sas no.: LB89690
matrix: Solid sample id: I4920-01 client id: FK-SF-03-002-AMS
Percent Solids for Sample: 93.6 Spiked ID: I4920-01MS Percent Solids for Spike Sample: 93.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.034	U	2.1	85.7		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89690 level: low sdg no.: LB89690
contract: lab code: CHEM case no.: LB89690 sas no.: LB89690
matrix: Solid sample id: I4920-01 client id: FK-SF-03-002-AMSD
Percent Solids for Sample: 93.6 Spiked ID: I4920-01MSD Percent Solids for Spike Sample: 93.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.034	U	2.1	85.7		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89690 **Level:** LOW **SDG No.:** LB89690
Contract: **Lab Code:** CHEM **Case No.:** LB89690 **SAS No.:** LB89690
Matrix: Solid **Sample ID:** I4920-01 **Client ID:** FK-SF-03-002-ADUP
Percent Solids for Sample: 93.6 **Duplicate ID** I4920-01DUP **Percent Solids for Spike Sample:** 93.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.034	U	-0.009	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89690 **Level:** LOW **SDG No.:** LB89690
Contract: **Lab Code:** CHEM **Case No.:** LB89690 **SAS No.:** LB89690
Matrix: Solid **Sample ID:** I4920-01MS **Client ID:** FK-SF-03-002-AMSD
Percent Solids for Sample: 93.6 **Duplicate ID** I4920-01MSD **Percent Solids for Spike Sample:** 93.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.8		1.8		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89690

SDG No.: LB89690

Contract:

Lab Code: CHEM

Case No.: LB89690

SAS No.: LB89690

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101762BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	