

Daily Analysis Runlog For Sequence/QC Batch ID # LB89838

Review By		Review On				
SubDirectory		LB89838		Test : Reactive 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 13:44		OK
9	ICB1	ICB1	ICB	09/01/17 13:44		OK
10	CCV1	CCV1	CCV	09/01/17 13:44		OK
11	CCB1	CCB1	CCB	09/01/17 13:44		OK
12	PB102013BL	PB102013BL	MB	09/01/17 13:44		OK
13	I5068-03	HR-06-083117	SAM	09/01/17 13:44		OK
14	I5068-03DUP	HR-06-083117DUP	DUP	09/01/17 13:50		OK
15	I5069-03	I1I5	SAM	09/01/17 13:50		OK
16	I5073-02	TP-1-2-COMP	SAM	09/01/17 13:51		OK
17	I5073-09	TP-3-4-COMP	SAM	09/01/17 13:51		OK
18	I5074-02	TP-5-6-COMP	SAM	09/01/17 13:51		OK
19	I5074-09	TP-7-8-COMP	SAM	09/01/17 13:51		OK
20	I5074-16	TP-9-10-COMP	SAM	09/01/17 13:51		OK
21	CCV2	CCV2	CCV	09/01/17 13:51		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 : Reactive Cyanide				
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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	CCB2	CCB2	CCB	09/01/17 13:51		OK

Report of Analysis

Client:		Date Collected:	8/31/2017 12:00:00 AM
Project:	LB89838	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	HR-06-083117	SDG No.:	LB89838
Lab Sample ID:	I5068-03	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	-0.016	U	1	0.025		0.05	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:	LB89838	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	I115	SDG No.:	LB89838
Lab Sample ID:	I5069-03	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	-0.015	U	1	0.025		0.05	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:	LB89838	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-1-2-COMP	SDG No.:	LB89838
Lab Sample ID:	I5073-02	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	-0.015	U	1	0.025		0.05	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:	LB89838	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-3-4-COMP	SDG No.:	LB89838
Lab Sample ID:	I5073-09	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.
	Reactive Cyanide	-0.016	U	1	0.025		0.05	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:	LB89838	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-5-6-COMP	SDG No.:	LB89838
Lab Sample ID:	I5074-02	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.
	Reactive Cyanide	-0.014	U	1	0.025		0.05	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:	LB89838	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-7-8-COMP	SDG No.:	LB89838
Lab Sample ID:	I5074-09	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.
	Reactive Cyanide	-0.013	U	1	0.025		0.05	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:	LB89838	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-9-10-COMP	SDG No.:	LB89838
Lab Sample ID:	I5074-16	Matrix:	Solid
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.013	U	1	0.025		0.05	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:	LB89838	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	TP-9-10-COMP	SDG No.:	LB89838
Lab Sample ID:	I5074-16	Matrix:	Solid
Level (low/med):	low	% Solid:	89

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

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Reactive Cyanide	0.097	0.099	98	0	85 - 115		09/01/2017	13:44	LB89838

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
CCV1	Reactive Cyanide	0.25	0.25	100	0	90 - 110		09/01/2017	13:44	LB89838
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		09/01/2017	13:51	LB89838



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB89838	SDG No.:	LB89838				
Contract:		Lab Code:	CHEM	Case No.:	LB89838	SAS No.:	LB89838

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00067	+/-0.005	U		0.005		09/01/2017	13:44	LB89838



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89838

SDG No.: LB89838

Contract:

Lab Code: CHEM

Case No.: LB89838

SAS No.: LB89838

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.0008	+/-0.005	U		0.005		09/01/2017	13:44	LB89838
CCB2	Reactive Cyanide	-0.00033	+/-0.005	U		0.005		09/01/2017	13:51	LB89838



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89838

SDG No.: LB89838

Contract: Lab Code: CHEM

Case No.: LB89838

SAS No.: LB89838

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: LB89838

SDG No.: LB89838

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
PB102013BL	Reactive Cyanide	SOLID -0.0031	<0.05	Batch Number: U		PB102013 0.05		Prep Date: 09/01/2017	09/01/2017 13:44	LB89838

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

Client: LB89838 **Level:** LOW **SDG No.:** LB89838
Contract: **Lab Code:** CHEM **Case No.:** LB89838 **SAS No.:** LB89838
Matrix: Solid **Sample ID:** I5068-03 **Client ID:** HR-06-083117DUP
Percent Solids for Sample: 100 **Duplicate ID** I5068-03DUP **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	-0.013	U			