

Daily Analysis Runlog For Sequence/QC Batch ID # LB88082

Review By

Review On

SubDirectory

LB88082

Test :

Reactive Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP55636,WP55637,WP55638WP55639WP55640,WP55641,WP55642,WP55643				
ICV Standard		WP55646				
CCV Standard		WP55645				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55644,WP51626,WP55355				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/14/17 13:57		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/14/17 13:57		OK
3	10PPBCN	10PPBCN	CAL3	06/14/17 13:57		OK
4	50PPBCN	50PPBCN	CAL4	06/14/17 13:57		OK
5	100PPBCN	100PPBCN	CAL5	06/14/17 13:57		OK
6	250PPBCN	250PPBCN	CAL6	06/14/17 13:57		OK
7	500PPBCN	500PPBCN	CAL7	06/14/17 13:57		OK
8	ICV1	ICV1	ICV	06/14/17 14:24		OK
9	ICB1	ICB1	ICB	06/14/17 14:24		OK
10	CCV1	CCV1	CCV	06/14/17 14:24		OK
11	CCB1	CCB1	CCB	06/14/17 14:24		OK
12	PB99779BL	PB99779BL	MB	06/14/17 14:24		OK
13	I3660-03	RO-132	SAM	06/14/17 14:24		OK
14	I3660-03DUP	RO-132DUP	DUP	06/14/17 14:24		OK
15	I3660-07	RO-153	SAM	06/14/17 14:24		OK
16	I3660-11	RO-351	SAM	06/14/17 14:24		OK
17	I3660-15	RO-350	SAM	06/14/17 14:24		OK
18	I3660-19	RO-72-11941	SAM	06/14/17 14:24		OK
19	I3665-05	HA3-WC1	SAM	06/14/17 14:31		OK
20	I3665-10	HA3-WC2	SAM	06/14/17 14:31		OK
21	I3670-04	TP-CLINTON-AVE-1	SAM	06/14/17 14:31		OK

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SubDirectory		Test : Reactive Cyanide				
LB88082						
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ICAL Standard	WP55636,WP55637,WP55638WP55639WP55640,WP55641,WP55642,WP55643					
ICV Standard	WP55646					
CCV Standard	WP55645					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP55644,WP51626,WP55355					
22	CCV2	CCV2	CCV	06/14/17 14:31		OK
23	CCB2	CCB2	CCB	06/14/17 14:31		OK
24	PB99776BL	PB99776BL	MB	06/14/17 14:31		OK
25	I3644-02	DRUMS-M47409-CO	SAM	06/14/17 14:31		OK
26	I3644-02DUP	DRUMS-M47409-CO	DUP	06/14/17 14:31		OK
27	CCV3	CCV3	CCV	06/14/17 14:31		OK
28	CCB3	CCB3	CCB	06/14/17 14:31		OK



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/12/2017 12:00:00 AM
Client Sample ID:	DRUMS-M47409-COMP	SDG No.:	LB88082
Lab Sample ID:	I3644-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.001	U	1	0.0025		0.005	mg/L	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	RO-132	SDG No.:	LB88082
Lab Sample ID:	I3660-03	Matrix:	Solid
Level (low/med):	low	% Solid:	95.8

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	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	RO-153	SDG No.:	LB88082
Lab Sample ID:	I3660-07	Matrix:	Solid
Level (low/med):	low	% Solid:	97.6

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	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	RO-351	SDG No.:	LB88082
Lab Sample ID:	I3660-11	Matrix:	Solid
Level (low/med):	low	% Solid:	95.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0097	U	1	0.025		0.05	mg/Kg	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	RO-350	SDG No.:	LB88082
Lab Sample ID:	I3660-15	Matrix:	Solid
Level (low/med):	low	% Solid:	94.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0096	U	1	0.025		0.05	mg/Kg	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	RO-72-11941	SDG No.:	LB88082
Lab Sample ID:	I3660-19	Matrix:	Solid
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0081	U	1	0.025		0.05	mg/Kg	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	HA3-WC1	SDG No.:	LB88082
Lab Sample ID:	I3665-05	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	-0.01	U	1	0.025		0.05	mg/Kg	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	HA3-WC2	SDG No.:	LB88082
Lab Sample ID:	I3665-10	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	-0.01	U	1	0.025		0.05	mg/Kg	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	TP-CLINTON-AVE-1-2	SDG No.:	LB88082
Lab Sample ID:	I3670-04	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	-0.0056	U	1	0.025		0.05	mg/Kg	06/14/2017	06/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2017 12:00:00 AM
Project:	LB88082	Date Received:	6/13/2017 12:00:00 AM
Client Sample ID:	TP-CLINTON-AVE-1-2	SDG No.:	LB88082
Lab Sample ID:	I3670-04	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.
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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: LB88082

SDG No.: LB88082

Contract: _____ Lab Code: CHEM

Case No.: LB88082

SAS No.: LB88082

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
ICV1	Reactive Cyanide	0.095	0.099	96	0	85 - 115		06/14/2017	14:24	LB88082



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88082

SDG No.: LB88082

Contract: _____ Lab Code: CHEM

Case No.: LB88082

SAS No.: LB88082

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	Reactive Cyanide	0.24	0.25	96	0	90 - 110		06/14/2017	14:24	LB88082
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		06/14/2017	14:31	LB88082
CCV3	Reactive Cyanide	0.25	0.25	100	0	90 - 110		06/14/2017	14:31	LB88082



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88082

SDG No.: LB88082

Contract:

Lab Code: CHEM

Case No.: LB88082

SAS No.: LB88082

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00089	+/-0.005	U		0.005		06/14/2017	14:24	LB88082



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88082

SDG No.: LB88082

Contract:

Lab Code: CHEM

Case No.: LB88082

SAS No.: LB88082

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00066	+/-0.005	U		0.005		06/14/2017	14:24	LB88082
CCB2	Reactive Cyanide	-0.00078	+/-0.005	U		0.005		06/14/2017	14:31	LB88082
CCB3	Reactive Cyanide	-0.00019	+/-0.005	U		0.005		06/14/2017	14:31	LB88082



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB88082

SDG No.:

LB88082

Contract:

Lab Code:

CHEM

Case No.:

LB88082

SAS No.:

LB88082

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: LB88082

SDG No.: LB88082

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB99776BL	Reactive Cyanide	WATER		Batch Number:		PB99776		Prep Date:	06/14/2017	
		-0.0012	<0.005	U		0.005		06/14/2017	14:31	LB88082
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB99779BL	Reactive Cyanide	SOLID		Batch Number:		PB99779		Prep Date:	06/14/2017	
		-0.0078	<0.05	U		0.05		06/14/2017	14:24	LB88082

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB88082 **Level:** LOW **SDG No.:** LB88082
Contract: **Lab Code:** CHEM **Case No.:** LB88082 **SAS No.:** LB88082
Matrix: WATER **Sample ID:** I3644-02 **Client ID:** DRUMS-M47409-COMPDUP
Percent Solids for Sample: 0 **Duplicate ID** I3644-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	-0.0011	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB88082 Level: LOW SDG No.: LB88082
Contract: _____ Lab Code: CHEM Case No.: LB88082 SAS No.: LB88082
Matrix: Solid Sample ID: I3660-03 Client ID: RO-132DUP
Percent Solids for Sample: 95.8 Duplicate ID I3660-03DUP Percent Solids for Spike Sample: 95.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.011	U			