

Daily Analysis Runlog For Sequence/QC Batch ID # LB89696

Review By

Review On

SubDirectory

LB89696

Test :

Reactive 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 14:14		OK
9	ICB1	ICB1	ICB	08/24/17 14:14		OK
10	CCV1	CCV1	CCV	08/24/17 14:14		OK
11	CCB1	CCB1	CCB	08/24/17 14:14		OK
12	PB101763BL	PB101763BL	MB	08/24/17 14:14		OK
13	I4922-03	SA-01-082217	SAM	08/24/17 14:14		OK
14	I4922-03DUP	SA-01-082217DUP	DUP	08/24/17 14:22		OK
15	I4924-03	72-11975-COMP	SAM	08/24/17 14:22		OK
16	I4934-11	SB5-SOIL-0-7.0	SAM	08/24/17 14:22		OK
17	I4934-12	SB4-SOIL-0-9.0	SAM	08/24/17 14:22		OK
18	I4934-13	SB3-SOIL-0-6.0	SAM	08/24/17 14:22		OK
19	I4934-14	SB2-SOIL-0-6.0	SAM	08/24/17 14:22		OK
20	I4934-15	SB1-SOIL-0-2.0	SAM	08/24/17 14:22		OK
21	I4943-03	OR-01-082317	SAM	08/24/17 14:22		OK

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SubDirectory		LB89696		Test : Reactive 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				
22	CCV2	CCV2	CCV	08/24/17 14:22		OK
23	CCB2	CCB2	CCB	08/24/17 14:22		OK
24	I4945-10	SP-1-4-COMP	SAM	08/24/17 14:27		OK
25	I4946-03	VNJ-211	SAM	08/24/17 14:27		OK
26	I4947-05	ELIZABETH-RO-CO	SAM	08/24/17 14:27		OK
27	I4947-10	ELIZABETH-RO-CO	SAM	08/24/17 14:27		OK
28	I4944-02	4-1-DRUMS-COMP	SAM	08/24/17 15:08		OK
29	CCV3	CCV3	CCV	08/24/17 15:08		OK
30	CCB3	CCB3	CCB	08/24/17 15:08		OK



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	SA-01-082217	SDG No.:	LB89696
Lab Sample ID:	I4922-03	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	-0.017	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	72-11975-COMP	SDG No.:	LB89696
Lab Sample ID:	I4924-03	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	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	SB5-SOIL-0-7.0	SDG No.:	LB89696
Lab Sample ID:	I4934-11	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	-0.017	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	SB4-SOIL-0-9.0	SDG No.:	LB89696
Lab Sample ID:	I4934-12	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	-0.017	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/21/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	SB3-SOIL-0-6.0	SDG No.:	LB89696
Lab Sample ID:	I4934-13	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	-0.014	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/21/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	SB2-SOIL-0-6.0	SDG No.:	LB89696
Lab Sample ID:	I4934-14	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	-0.014	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/21/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	SB1-SOIL-0-2.0	SDG No.:	LB89696
Lab Sample ID:	I4934-15	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	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/23/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	OR-01-082317	SDG No.:	LB89696
Lab Sample ID:	I4943-03	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	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/23/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	4-1-DRUMS-COMP	SDG No.:	LB89696
Lab Sample ID:	I4944-02	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	-0.0097	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/23/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	SP-1-4-COMP	SDG No.:	LB89696
Lab Sample ID:	I4945-10	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	-0.012	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/23/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	VNJ-211	SDG No.:	LB89696
Lab Sample ID:	I4946-03	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	-0.015	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/23/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	ELIZABETH-RO-COMP-A	SDG No.:	LB89696
Lab Sample ID:	I4947-05	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	-0.018	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/23/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	ELIZABETH-RO-COMP-B	SDG No.:	LB89696
Lab Sample ID:	I4947-10	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	-0.014	U	1	0.025		0.05	mg/Kg	08/24/2017	08/24/2017	9012B



Report of Analysis

Client:		Date Collected:	8/23/2017 12:00:00 AM
Project:	LB89696	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	ELIZABETH-RO-COMP-B	SDG No.:	LB89696
Lab Sample ID:	I4947-10	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB89696

SDG No.: LB89696

Contract: _____ Lab Code: CHEM

Case No.: LB89696

SAS No.: LB89696

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	0.25	0.25	100	0	90 - 110		08/24/2017	14:14	LB89696
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		08/24/2017	14:22	LB89696
CCV3	Reactive Cyanide	0.27	0.25	108	0	90 - 110		08/24/2017	15:08	LB89696



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89696 **SDG No.:** LB89696
Contract: **Lab Code:** CHEM **Case No.:** LB89696 **SAS No.:** LB89696

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00088	+/-0.005	U		0.005		08/24/2017	14:14	LB89696

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00026	+/-0.005	U		0.005		08/24/2017	14:14	LB89696
CCB2	Reactive Cyanide	-0.00051	+/-0.005	U		0.005		08/24/2017	14:22	LB89696
CCB3	Reactive Cyanide	-0.0006	+/-0.005	U		0.005		08/24/2017	15:08	LB89696



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89696

SDG No.: LB89696

Contract: Lab Code: CHEM

Case No.: LB89696

SAS No.: LB89696

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: LB89696

SDG No.: LB89696

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
PB101763BL	Reactive Cyanide	SOLID -0.0073	<0.05	Batch Number: U		PB101763 0.05		Prep Date: 08/24/2017	08/24/2017 14:14	LB89696

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89696 **Level:** LOW **SDG No.:** LB89696
Contract: **Lab Code:** CHEM **Case No.:** LB89696 **SAS No.:** LB89696
Matrix: Solid **Sample ID:** I4922-03 **Client ID:** SA-01-082217DUP
Percent Solids for Sample: 100 **Duplicate ID** I4922-03DUP **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	-0.012	U			