

Daily Analysis Runlog For Sequence/QC Batch ID # LB91665

Review By		Review On				
SubDirectory		LB91665		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP59714,WP59715,WP59716,WP59717,WP59718,WP59719,WP59720				
ICV Standard		WP59722				
CCV Standard		WP59721				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59723				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/17/17 09:55		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/17/17 09:55		OK
3	10PPBCN	10PPBCN	CAL3	11/17/17 09:55		OK
4	50PPBCN	50PPBCN	CAL4	11/17/17 09:55		OK
5	100PPBCN	100PPBCN	CAL5	11/17/17 09:55		OK
6	250PPBCN	250PPBCN	CAL6	11/17/17 09:55		OK
7	500PPBCN	500PPBCN	CAL7	11/17/17 09:55		OK
8	ICV1	ICV1	ICV	11/17/17 13:56		OK
9	ICB1	ICB1	ICB	11/17/17 13:56		OK
10	CCV1	CCV1	CCV	11/17/17 13:56		OK
11	CCB1	CCB1	CCB	11/17/17 13:56		OK
12	PB104355BL	PB104355BL	MB	11/17/17 13:56		OK
13	I6299-06	OK-01-111617	SAM	11/17/17 13:56		OK
14	I6299-06DUP	OK-01-111617DUP	DUP	11/17/17 13:56		OK
15	I6304-13	CL-01-111617-A	SAM	11/17/17 14:04		OK
16	I6304-17	CL-01-111617-C	SAM	11/17/17 14:04		OK
17	I6304-19	CL-01-111617-D	SAM	11/17/17 14:04		OK
18	I6304-21	CL-01-111617-E	SAM	11/17/17 14:04		OK
19	I6512-03	WC-1	SAM	11/17/17 14:04		OK
20	I6517-03	HP-WC(COMP)	SAM	11/17/17 14:04		OK
21	CCV2	CCV2	CCV	11/17/17 14:04		OK

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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59723				
22	CCB2	CCB2	CCB	11/17/17 14:04		OK
23	I6521-04	MH-(0-12)	SAM	11/17/17 14:04		OK
24	I6521-08	TP-1-(0-5)	SAM	11/17/17 14:04		OK
25	I6521-12	TP-2-(0-5)	SAM	11/17/17 14:07		OK
26	I6304-15	CL-01-111617-B	SAM	11/17/17 14:28		OK
27	CCV3	CCV3	CCV	11/17/17 14:28		OK
28	CCB3	CCB3	CCB	11/17/17 14:28		OK



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	OK-01-111617	SDG No.:	LB91665
Lab Sample ID:	I6299-06	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	-0.0019	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	CL-01-111617-A	SDG No.:	LB91665
Lab Sample ID:	I6304-13	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	-0.0053	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	CL-01-111617-B	SDG No.:	LB91665
Lab Sample ID:	I6304-15	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	-0.0038	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	CL-01-111617-C	SDG No.:	LB91665
Lab Sample ID:	I6304-17	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	-0.0057	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	CL-01-111617-D	SDG No.:	LB91665
Lab Sample ID:	I6304-19	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	-0.0054	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	CL-01-111617-E	SDG No.:	LB91665
Lab Sample ID:	I6304-21	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	-0.0046	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/14/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	LB91665
Lab Sample ID:	I6512-03	Matrix:	Solid
Level (low/med):	low	% Solid:	74.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0044	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	HP-WC(COMP)	SDG No.:	LB91665
Lab Sample ID:	I6517-03	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	-0.0041	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	MH-(0-12)	SDG No.:	LB91665
Lab Sample ID:	I6521-04	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	-0.0048	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	TP-1-(0-5)	SDG No.:	LB91665
Lab Sample ID:	I6521-08	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	-0.0044	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	TP-2-(0-5)	SDG No.:	LB91665
Lab Sample ID:	I6521-12	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	-0.0058	U	1	0.025		0.05	mg/Kg	11/17/2017	11/17/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91665	Date Received:	11/16/2017 12:00:00 AM
Client Sample ID:	TP-2-(0-5)	SDG No.:	LB91665
Lab Sample ID:	I6521-12	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB91665

SDG No.: LB91665

Contract: _____ Lab Code: CHEM

Case No.: LB91665

SAS No.: LB91665

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		11/17/2017	13:56	lb91665
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		11/17/2017	14:04	lb91665
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		11/17/2017	14:28	lb91665



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91665

SDG No.: LB91665

Contract:

Lab Code: CHEM

Case No.: LB91665

SAS No.: LB91665

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00044	+/-0.005	U		0.005		11/17/2017	13:56	lb91665

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00019	+/-0.005	U		0.005		11/17/2017	13:56	lb91665
CCB2	Reactive Cyanide	-0.00028	+/-0.005	U		0.005		11/17/2017	14:04	lb91665
CCB3	Reactive Cyanide	-0.00033	+/-0.005	U		0.005		11/17/2017	14:28	lb91665



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91665

SDG No.: LB91665

Contract: Lab Code: CHEM

Case No.: LB91665

SAS No.: LB91665

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: LB91665

SDG No.: LB91665

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
PB104355BL		SOLID		Batch Number:		PB104355		Prep Date:	11/17/2017	
	Reactive Cyanide	-0.0024	<0.05	U		0.05		11/17/2017	13:56	lb91665

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91665 **Level:** LOW **SDG No.:** LB91665
Contract: **Lab Code:** CHEM **Case No.:** LB91665 **SAS No.:** LB91665
Matrix: Solid **Sample ID:** I6299-06 **Client ID:** OK-01-111617DUP
Percent Solids for Sample: 100 **Duplicate ID** I6299-06DUP **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	-0.0031	U			