

Daily Analysis Runlog For Sequence/QC Batch ID # LB90331

Review By		Review On				
SubDirectory		LB90331		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58279,WP58280,WP58281,WP58282,WP58283,WP58284,WP58277				
ICV Standard		WP58286				
CCV Standard		WP58287				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55355,WP55836,WP58285				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/26/17 13:53		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/26/17 13:53		OK
3	10PPBCN	10PPBCN	CAL3	09/26/17 13:54		OK
4	50PPBCN	50PPBCN	CAL4	09/26/17 13:54		OK
5	100PPBCN	100PPBCN	CAL5	09/26/17 13:54		OK
6	250PPBCN	250PPBCN	CAL6	09/26/17 13:54		OK
7	500PPBCN	500PPBCN	CAL7	09/26/17 13:54		OK
8	ICV1	ICV1	ICV	09/26/17 16:10		OK
9	ICB1	ICB1	ICB	09/26/17 16:10		OK
10	CCV1	CCV1	CCV	09/26/17 16:10		OK
11	CCB1	CCB1	CCB	09/26/17 16:10		OK
12	PB102582BL	PB102582BL	MB	09/26/17 16:10		OK
13	I5380-03	SU-04-092217	SAM	09/26/17 16:10		OK
14	I5380-03DUP	SU-04-092217DUP	DUP	09/26/17 16:17		OK
15	I5394-03	15-50	SAM	09/26/17 16:17		OK
16	I5394-06	20-41	SAM	09/26/17 16:17		OK
17	I5394-09	RT-3992	SAM	09/26/17 16:18		OK
18	I5395-03	TP-5-(0-5)	SAM	09/26/17 16:18		OK
19	I5395-06	TP-4-(0-5)	SAM	09/26/17 16:18		OK
20	I5395-09	TP-3-(0-5)	SAM	09/26/17 16:18		OK
21	I5395-12	TP-2-(0-5)	SAM	09/26/17 16:18		OK

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

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ICAL Standard		WP58279,WP58280,WP58281,WP58282,WP58283,WP58284,WP58277				
ICV Standard		WP58286				
CCV Standard		WP58287				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55355,WP55836,WP58285				
22	CCV2	CCV2	CCV	09/26/17 16:18		OK
23	CCB2	CCB2	CCB	09/26/17 16:18		OK
24	I5395-15	TP-1-(0-5)	SAM	09/26/17 16:18		OK
25	I5395-18	TP-6-(0-5)	SAM	09/26/17 16:21		OK
26	CCV3	CCV3	CCV	09/26/17 16:21		OK
27	CCB3	CCB3	CCB	09/26/17 16:21		OK



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	SU-04-092217	SDG No.:	LB90331
Lab Sample ID:	I5380-03	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	-0.0043	U	1	0.025		0.05	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	15-50	SDG No.:	LB90331
Lab Sample ID:	I5394-03	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	-0.0077	U	1	0.025		0.05	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	20-41	SDG No.:	LB90331
Lab Sample ID:	I5394-06	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	-0.0092	U	1	0.025		0.05	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	RT-3992	SDG No.:	LB90331
Lab Sample ID:	I5394-09	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	-0.0064	U	1	0.025		0.05	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	TP-5-(0-5)	SDG No.:	LB90331
Lab Sample ID:	I5395-03	Matrix:	Solid
Level (low/med):	low	% Solid:	79.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0088	U	1	0.025		0.049	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	TP-4-(0-5)	SDG No.:	LB90331
Lab Sample ID:	I5395-06	Matrix:	Solid
Level (low/med):	low	% Solid:	81.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0088	U	1	0.025		0.05	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	TP-3-(0-5)	SDG No.:	LB90331
Lab Sample ID:	I5395-09	Matrix:	Solid
Level (low/med):	low	% Solid:	85.6

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	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	TP-2-(0-5)	SDG No.:	LB90331
Lab Sample ID:	I5395-12	Matrix:	Solid
Level (low/med):	low	% Solid:	84.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0085	U	1	0.025		0.05	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	TP-1-(0-5)	SDG No.:	LB90331
Lab Sample ID:	I5395-15	Matrix:	Solid
Level (low/med):	low	% Solid:	84.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0085	U	1	0.025		0.049	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	TP-6-(0-5)	SDG No.:	LB90331
Lab Sample ID:	I5395-18	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	-0.0025	U	1	0.025		0.05	mg/Kg	09/25/2017	09/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/22/2017 12:00:00 AM
Project:	LB90331	Date Received:	9/22/2017 12:00:00 AM
Client Sample ID:	TP-6-(0-5)	SDG No.:	LB90331
Lab Sample ID:	I5395-18	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: LB90331

SDG No.: LB90331

Contract: _____

Lab Code: CHEM

Case No.: LB90331

SAS No.: LB90331

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	0.098	0.099	99	0	85 - 115		09/26/2017	16:10	LB90331



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90331

SDG No.: LB90331

Contract: _____ Lab Code: CHEM

Case No.: LB90331

SAS No.: LB90331

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		09/26/2017	16:10	LB90331
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		09/26/2017	16:18	LB90331
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		09/26/2017	16:21	LB90331



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90331

SDG No.: LB90331

Contract:

Lab Code: CHEM

Case No.: LB90331

SAS No.: LB90331

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00019	+/-0.005	U		0.005		09/26/2017	16:10	LB90331

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0001	+/-0.005	U		0.005		09/26/2017	16:10	LB90331
CCB2	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		09/26/2017	16:18	LB90331
CCB3	Reactive Cyanide	0.00015	+/-0.005	U		0.005		09/26/2017	16:21	LB90331



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90331

SDG No.: LB90331

Contract: Lab Code: CHEM

Case No.: LB90331

SAS No.: LB90331

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB90331

SDG No.: LB90331

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
PB102582BL	Reactive Cyanide	SOLID 0.0001	<0.05	Batch Number: U		PB102582 0.05		Prep Date: 09/26/2017	09/25/2017 16:10	LB90331

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DUPLICATE SAMPLE SUMMARY

Client: LB90331 **Level:** LOW **SDG No.:** LB90331
Contract: **Lab Code:** CHEM **Case No.:** LB90331 **SAS No.:** LB90331
Matrix: Solid **Sample ID:** I5380-03 **Client ID:** SU-04-092217DUP
Percent Solids for Sample: 100 **Duplicate ID** I5380-03DUP **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	-0.0006	U			