

Daily Analysis Runlog For Sequence/QC Batch ID # LB92281

Review By		Review On				
SubDirectory		LB92281		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60464,WP60465,WP60466,WP60467,WP60468,WP60469,WP60470				
ICV Standard		WP60472				
CCV Standard		WP60471				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60473,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/20/17 11:23		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/20/17 11:23		OK
3	10PPBCN	10PPBCN	CAL3	12/20/17 11:23		OK
4	50PPBCN	50PPBCN	CAL4	12/20/17 11:23		OK
5	100PPBCN	100PPBCN	CAL5	12/20/17 11:23		OK
6	250PPBCN	250PPBCN	CAL6	12/20/17 11:23		OK
7	500PPBCN	500PPBCN	CAL7	12/20/17 11:23		OK
8	ICV1	ICV1	ICV	12/20/17 13:29		OK
9	ICB1	ICB1	ICB	12/20/17 13:29		OK
10	CCV1	CCV1	CCV	12/20/17 13:29		OK
11	CCB1	CCB1	CCB	12/20/17 13:29		OK
12	PB105215BL	PB105215BL	MB	12/20/17 13:29		OK
13	I6681-02	PL-01-121917-A	SAM	12/20/17 13:29		OK
14	I6681-02DUP	PL-01-121917-ADUP	DUP	12/20/17 13:29		OK
15	I6681-04	PL-01-121917-B	SAM	12/20/17 13:37		OK
16	I6681-06	PL-01-121917-C	SAM	12/20/17 13:37		OK
17	I6681-08	PL-01-121917-D	SAM	12/20/17 13:37		OK
18	I6988-03	RT4008-RT3867-RT3	SAM	12/20/17 13:37		OK
19	I6990-02	MH-CONCRETE	SAM	12/20/17 13:37		OK
20	I6993-03	ROLL-OFF-3	SAM	12/20/17 13:37		OK
21	I6993-04	ROLL-OFF-4	SAM	12/20/17 13:37		OK

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

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SubDirectory		Test : Reactive Cyanide				
LB92281						
STD. NAME	STD REF.#					
ICAL Standard	WP60464,WP60465,WP60466,WP60467,WP60468,WP60469,WP60470					
ICV Standard	WP60472					
CCV Standard	WP60471					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP60473,WP59958,WP60150					
22	CCV2	CCV2	CCV	12/20/17 13:37		OK
23	CCB2	CCB2	CCB	12/20/17 13:37		OK
24	I6995-03	TP-1	SAM	12/20/17 13:37		OK
25	I6995-04	TP-2	SAM	12/20/17 13:37		OK
26	CCV3	CCV3	CCV	12/20/17 13:41		OK
27	CCB3	CCB3	CCB	12/20/17 13:41		OK



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	PL-01-121917-A	SDG No.:	LB92281
Lab Sample ID:	I6681-02	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	-0.0033	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	PL-01-121917-B	SDG No.:	LB92281
Lab Sample ID:	I6681-04	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	-0.0028	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	PL-01-121917-C	SDG No.:	LB92281
Lab Sample ID:	I6681-06	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	-0.0029	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	PL-01-121917-D	SDG No.:	LB92281
Lab Sample ID:	I6681-08	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	-0.0017	U	1	0.025		0.049	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	RT4008-RT3867-RT3075	SDG No.:	LB92281
Lab Sample ID:	I6988-03	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	-0.0015	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	MH-CONCRETE	SDG No.:	LB92281
Lab Sample ID:	I6990-02	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	-0.0022	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	ROLL-OFF-3	SDG No.:	LB92281
Lab Sample ID:	I6993-03	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	-0.0021	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	ROLL-OFF-4	SDG No.:	LB92281
Lab Sample ID:	I6993-04	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	-0.001	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB92281
Lab Sample ID:	I6995-03	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	-0.00041	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB92281
Lab Sample ID:	I6995-04	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	-0.00091	U	1	0.025		0.05	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92281	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB92281
Lab Sample ID:	I6995-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB92281

SDG No.: LB92281

Contract: _____

Lab Code: CHEM

Case No.: LB92281

SAS No.: LB92281

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	0.097	0.099	98	0	85 - 115		12/20/2017	13:29	lb92281



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92281

SDG No.: LB92281

Contract: _____ Lab Code: CHEM

Case No.: LB92281

SAS No.: LB92281

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		12/20/2017	13:29	lb92281
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		12/20/2017	13:37	lb92281
CCV3	Reactive Cyanide	0.25	0.25	100	0	90 - 110		12/20/2017	13:41	lb92281



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92281 **SDG No.:** LB92281
Contract: **Lab Code:** CHEM **Case No.:** LB92281 **SAS No.:** LB92281

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0006	+/-0.005	U		0.005		12/20/2017	13:29	lb92281



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92281

SDG No.: LB92281

Contract:

Lab Code: CHEM

Case No.: LB92281

SAS No.: LB92281

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00078	+/-0.005	U		0.005		12/20/2017	13:29	1b92281
CCB2	Reactive Cyanide	0.00088	+/-0.005	U		0.005		12/20/2017	13:37	1b92281
CCB3	Reactive Cyanide	0.00065	+/-0.005	U		0.005		12/20/2017	13:41	1b92281



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92281

SDG No.: LB92281

Contract: Lab Code: CHEM

Case No.: LB92281

SAS No.: LB92281

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: LB92281

SDG No.: LB92281

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
PB105215BL		SOLID		Batch Number:		PB105215		Prep Date:	12/20/2017	
	Reactive Cyanide	0.0057	<0.05	U		0.05		12/20/2017	13:29	lb92281

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92281 **Level:** LOW **SDG No.:** LB92281
Contract: **Lab Code:** CHEM **Case No.:** LB92281 **SAS No.:** LB92281
Matrix: Solid **Sample ID:** I6681-02 **Client ID:** PL-01-121917-ADUP
Percent Solids for Sample: 100 **Duplicate ID** I6681-02DUP **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	-0.0021	U			