

Daily Analysis Runlog For Sequence/QC Batch ID # LB89762

Review By		Review On				
SubDirectory		LB89762		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP57525,WP57526,WP57527,WP57528,WP57529,WP57530,WP57531,WP57532,WP57533,WP57534				
ICV Standard		wp57534				
CCV Standard		WP57532				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57533,WP55355,WP55836				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/28/17 08:58		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/28/17 08:58		OK
3	10PPBCN	10PPBCN	CAL3	08/28/17 08:58		OK
4	50PPBCN	50PPBCN	CAL4	08/28/17 08:59		OK
5	100PPBCN	100PPBCN	CAL5	08/28/17 08:59		OK
6	250PPBCN	250PPBCN	CAL6	08/28/17 08:59		OK
7	500PPBCN	500PPBCN	CAL7	08/28/17 08:59		OK
8	ICV1	ICV1	ICV	08/28/17 16:22		OK
9	ICB1	ICB1	ICB	08/28/17 16:22		OK
10	CCV1	CCV1	CCV	08/28/17 16:22		OK
11	CCB1	CCB1	CCB	08/28/17 16:22		OK
12	PB101888BL	PB101888BL	MB	08/28/17 16:22		OK
13	I4987-11	SB-05-COMP	SAM	08/28/17 16:22		OK
14	I4987-11DUP	SB-05-COMPDUP	DUP	08/28/17 16:29		OK
15	I4987-12	SB-06-COMP	SAM	08/28/17 16:29		OK
16	I4987-13	SB-07-COMP	SAM	08/28/17 16:29		OK
17	I4987-14	SB-08-COMP	SAM	08/28/17 16:29		OK
18	I4987-15	SB-09-COMP	SAM	08/28/17 16:29		OK
19	I4992-02	SECTION-1-STONES	SAM	08/28/17 16:29		OK
20	I4992-04	SECTION-2-STONES	SAM	08/28/17 16:29		OK
21	I4993-03	HR-05-082517	SAM	08/28/17 16:29		OK

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

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CCV Standard		WP57532				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57533,WP55355,WP55836				
22	CCV2	CCV2	CCV	08/28/17 16:29		OK
23	CCB2	CCB2	CCB	08/28/17 16:29		OK
24	I4994-03	EO-01-082517-A	SAM	08/28/17 16:29		OK
25	I4994-06	EO-01-082517-B	SAM	08/28/17 16:49		OK
26	I4994-09	EO-01-082517-C	SAM	08/28/17 16:49		OK
27	I4997-03	TEC-B1-COMP	SAM	08/28/17 16:49		OK
28	CCV3	CCV3	CCV	08/28/17 16:49		OK
29	CCB3	CCB3	CCB	08/28/17 16:49		OK



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Report of Analysis

Client:		Date Collected:	8/24/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	SB-05-COMP	SDG No.:	LB89762
Lab Sample ID:	I4987-11	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	-0.016	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/24/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	SB-06-COMP	SDG No.:	LB89762
Lab Sample ID:	I4987-12	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	-0.0088	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	SB-07-COMP	SDG No.:	LB89762
Lab Sample ID:	I4987-13	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	-0.0086	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	SB-08-COMP	SDG No.:	LB89762
Lab Sample ID:	I4987-14	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	-0.012	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	SB-09-COMP	SDG No.:	LB89762
Lab Sample ID:	I4987-15	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	-0.0081	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	SECTION-1-STONES	SDG No.:	LB89762
Lab Sample ID:	I4992-02	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	-0.0025	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	SECTION-2-STONES	SDG No.:	LB89762
Lab Sample ID:	I4992-04	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	-0.014	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	HR-05-082517	SDG No.:	LB89762
Lab Sample ID:	I4993-03	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	-0.0087	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	EO-01-082517-A	SDG No.:	LB89762
Lab Sample ID:	I4994-03	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	-0.0095	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	EO-01-082517-B	SDG No.:	LB89762
Lab Sample ID:	I4994-06	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	-0.012	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	EO-01-082517-C	SDG No.:	LB89762
Lab Sample ID:	I4994-09	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	-0.015	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	TEC-B1-COMP	SDG No.:	LB89762
Lab Sample ID:	I4997-03	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	-0.012	U	1	0.025		0.05	mg/Kg	08/28/2017	08/28/2017	9012B



Report of Analysis

Client:		Date Collected:	8/25/2017 12:00:00 AM
Project:	LB89762	Date Received:	8/25/2017 12:00:00 AM
Client Sample ID:	TEC-B1-COMP	SDG No.:	LB89762
Lab Sample ID:	I4997-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB89762

SDG No.: LB89762

Contract: _____ Lab Code: CHEM

Case No.: LB89762

SAS No.: LB89762

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		08/28/2017	16:22	LB89762
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		08/28/2017	16:29	LB89762
CCV3	Reactive Cyanide	0.27	0.25	108	0	90 - 110		08/28/2017	16:49	LB89762



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89762

SDG No.: LB89762

Contract:

Lab Code: CHEM

Case No.: LB89762

SAS No.: LB89762

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0003	+/-0.005	U		0.005		08/28/2017	16:22	LB89762



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89762

SDG No.: LB89762

Contract:

Lab Code: CHEM

Case No.: LB89762

SAS No.: LB89762

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00017	+/-0.005	U		0.005		08/28/2017	16:22	LB89762
CCB2	Reactive Cyanide	0.00071	+/-0.005	U		0.005		08/28/2017	16:29	LB89762
CCB3	Reactive Cyanide	0.00019	+/-0.005	U		0.005		08/28/2017	16:49	LB89762



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89762

SDG No.: LB89762

Contract: Lab Code: CHEM

Case No.: LB89762

SAS No.: LB89762

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: LB89762

SDG No.: LB89762

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
PB101888BL	Reactive Cyanide	SOLID -0.0066	<0.05	Batch Number: U		PB101888 0.05		Prep Date: 08/28/2017	08/28/2017 16:22	LB89762

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89762 **Level:** LOW **SDG No.:** LB89762
Contract: **Lab Code:** CHEM **Case No.:** LB89762 **SAS No.:** LB89762
Matrix: Solid **Sample ID:** I4987-11 **Client ID:** SB-05-COMPDUP
Percent Solids for Sample: 100 **Duplicate ID** I4987-11DUP **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	-0.0084	U			