

Daily Analysis Runlog For Sequence/QC Batch ID # LB91538

Review By		Review On				
SubDirectory		LB91538		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP59566,WP59567,WP59568,WP59569,WP59570,WP59571,WP59572				
ICV Standard		WP59575				
CCV Standard		WP59573				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59574				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/13/17 10:31		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/13/17 10:31		OK
3	10PPBCN	10PPBCN	CAL3	11/13/17 10:31		OK
4	50PPBCN	50PPBCN	CAL4	11/13/17 10:31		OK
5	100PPBCN	100PPBCN	CAL5	11/13/17 10:31		OK
6	250PPBCN	250PPBCN	CAL6	11/13/17 10:31		OK
7	500PPBCN	500PPBCN	CAL7	11/13/17 10:31		OK
8	ICV1	ICV1	ICV	11/13/17 11:14		OK
9	ICB1	ICB1	ICB	11/13/17 11:14		OK
10	CCV1	CCV1	CCV	11/13/17 11:14		OK
11	CCB1	CCB1	CCB	11/13/17 11:14		OK
12	PB104182BL	PB104182BL	MB	11/13/17 11:14		OK
13	I6301-02	JC-02-110917-A	SAM	11/13/17 11:14		OK
14	I6301-02DUP	JC-02-110917-ADUP	DUP	11/13/17 11:14		OK
15	I6301-04	JC-02-110917-B	SAM	11/13/17 11:21		OK
16	I6301-06	JC-02-110917-C	SAM	11/13/17 11:21		OK
17	I6301-08	JC-02-110917-D	SAM	11/13/17 11:21		OK
18	I6301-10	JC-02-110917-E	SAM	11/13/17 11:21		OK
19	I6301-12	JC-02-110917-F	SAM	11/13/17 11:21		OK
20	I6301-14	JC-02-110917-G	SAM	11/13/17 11:21		OK
21	I6301-16	JC-02-110917-H	SAM	11/13/17 11:21		OK

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

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SubDirectory		Test : Reactive Cyanide				
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STD. NAME		STD REF.#				
ICAL Standard		WP59566,WP59567,WP59568,WP59569,WP59570,WP59571,WP59572				
ICV Standard		WP59575				
CCV Standard		WP59573				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59574				
22	CCV2	CCV2	CCV	11/13/17 11:21		OK
23	CCB2	CCB2	CCB	11/13/17 11:21		OK
24	I6396-04	LS-STONE	SAM	11/13/17 11:21		OK
25	I6396-08	LS-SOIL	SAM	11/13/17 11:21		OK
26	I6396-12	LS-CONCRETE	SAM	11/13/17 11:25		OK
27	CCV3	CCV3	CCV	11/13/17 11:25		OK
28	CCB3	CCB3	CCB	11/13/17 11:25		OK



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/9/2017 12:00:00 AM
Client Sample ID:	JC-02-110917-A	SDG No.:	LB91538
Lab Sample ID:	I6301-02	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	-0.022	U	1	0.025		0.05	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/9/2017 12:00:00 AM
Client Sample ID:	JC-02-110917-B	SDG No.:	LB91538
Lab Sample ID:	I6301-04	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	-0.024	U	1	0.025		0.05	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/9/2017 12:00:00 AM
Client Sample ID:	JC-02-110917-C	SDG No.:	LB91538
Lab Sample ID:	I6301-06	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	-0.019	U	1	0.025		0.05	mg/Kg	11/10/2017	11/13/2017	9012B

Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/9/2017 12:00:00 AM
Client Sample ID:	JC-02-110917-D	SDG No.:	LB91538
Lab Sample ID:	I6301-08	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	-0.019	U	1	0.025		0.05	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/9/2017 12:00:00 AM
Client Sample ID:	JC-02-110917-E	SDG No.:	LB91538
Lab Sample ID:	I6301-10	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	-0.023	U	1	0.025		0.049	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/9/2017 12:00:00 AM
Client Sample ID:	JC-02-110917-F	SDG No.:	LB91538
Lab Sample ID:	I6301-12	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	-0.021	U	1	0.025		0.05	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/9/2017 12:00:00 AM
Client Sample ID:	JC-02-110917-G	SDG No.:	LB91538
Lab Sample ID:	I6301-14	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	-0.022	U	1	0.025		0.05	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/9/2017 12:00:00 AM
Client Sample ID:	JC-02-110917-H	SDG No.:	LB91538
Lab Sample ID:	I6301-16	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	-0.035	U	1	0.025		0.049	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/8/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/8/2017 12:00:00 AM
Client Sample ID:	LS-STONE	SDG No.:	LB91538
Lab Sample ID:	I6396-04	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	-0.021	U	1	0.025		0.049	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/8/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/8/2017 12:00:00 AM
Client Sample ID:	LS-SOIL	SDG No.:	LB91538
Lab Sample ID:	I6396-08	Matrix:	Solid
Level (low/med):	low	% Solid:	89.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.024	U	1	0.025		0.049	mg/Kg	11/10/2017	11/13/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/8/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/8/2017 12:00:00 AM
Client Sample ID:	LS-CONCRETE	SDG No.:	LB91538
Lab Sample ID:	I6396-12	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	-0.022	U	1	0.025		0.05	mg/Kg	11/10/2017	11/13/2017	9012B



Report of Analysis

Client:		Date Collected:	11/8/2017 12:00:00 AM
Project:	LB91538	Date Received:	11/8/2017 12:00:00 AM
Client Sample ID:	LS-CONCRETE	SDG No.:	LB91538
Lab Sample ID:	I6396-12	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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91538

SDG No.: LB91538

Contract: _____

Lab Code: CHEM

Case No.: LB91538

SAS No.: LB91538

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	0.1	0.099	101	0	85 - 115		11/13/2017	11:14	LB91538



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91538

SDG No.: LB91538

Contract: _____ Lab Code: CHEM

Case No.: LB91538

SAS No.: LB91538

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		11/13/2017	11:14	LB91538
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		11/13/2017	11:21	LB91538
CCV3	Reactive Cyanide	0.25	0.25	100	0	90 - 110		11/13/2017	11:25	LB91538



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91538

SDG No.: LB91538

Contract:

Lab Code: CHEM

Case No.: LB91538

SAS No.: LB91538

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0023	+/-0.005	U		0.005		11/13/2017	11:14	LB91538

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.002	+/-0.005	U		0.005		11/13/2017	11:14	LB91538
CCB2	Reactive Cyanide	-0.0021	+/-0.005	U		0.005		11/13/2017	11:21	LB91538
CCB3	Reactive Cyanide	-0.0021	+/-0.005	U		0.005		11/13/2017	11:25	LB91538



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91538

SDG No.: LB91538

Contract: Lab Code: CHEM

Case No.: LB91538

SAS No.: LB91538

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: LB91538

SDG No.: LB91538

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
PB104182BL	Reactive Cyanide	SOLID -0.024	<0.05	Batch Number: U		PB104182 0.05		Prep Date: 11/13/2017	11/10/2017 11:14	LB91538

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91538 **Level:** LOW **SDG No.:** LB91538
Contract: **Lab Code:** CHEM **Case No.:** LB91538 **SAS No.:** LB91538
Matrix: Solid **Sample ID:** I6301-02 **Client ID:** JC-02-110917-ADUP
Percent Solids for Sample: 100 **Duplicate ID** I6301-02DUP **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	-0.024	U			