

Daily Analysis Runlog For Sequence/QC Batch ID # LB93518

Review By

Review On

SubDirectory

LB93518

Test :

Reactive Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP62283,WP62284,WP62285,WP62286,WP62287,WP62288,WP62289				
ICV Standard		WP62291				
CCV Standard		WP62290				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62292,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/26/18 11:49		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/26/18 11:49		OK
3	10PPBCN	10PPBCN	CAL3	02/26/18 11:49		OK
4	50PPBCN	50PPBCN	CAL4	02/26/18 11:49		OK
5	100PPBCN	100PPBCN	CAL5	02/26/18 11:49		OK
6	250PPBCN	250PPBCN	CAL6	02/26/18 11:49		OK
7	500PPBCN	500PPBCN	CAL7	02/26/18 11:49		OK
8	ICV1	ICV1	ICV	02/26/18 13:01		OK
9	ICB1	ICB1	ICB	02/26/18 13:01		OK
10	CCV1	CCV1	CCV	02/26/18 13:01		OK
11	CCB1	CCB1	CCB	02/26/18 13:01		OK
12	PB106823BL	PB106823BL	MB	02/26/18 13:01		OK
13	J1395-04	NB-01-022318	SAM	02/26/18 13:01		OK
14	J1395-04DUP	NB-01-022318DUP	DUP	02/26/18 13:01		OK
15	J1397-10	CL-02-022318-A	SAM	02/26/18 13:01		OK
16	J1397-12	CL-02-022318-B	SAM	02/26/18 13:01		OK
17	J1397-14	CL-02-022318-C	SAM	02/26/18 13:01		OK
18	J1397-16	CL-02-022318-D	SAM	02/26/18 13:08		OK
19	J1397-18	CL-02-022318-E	SAM	02/26/18 13:08		OK
20	J1672-04	72-11977-72-11982	SAM	02/26/18 13:08		OK
21	CCV2	CCV2	CCV	02/26/18 13:08		OK



Instrument ID : KONELAB

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

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Review By		Review On				
SubDirectory		Test : Reactive Cyanide				
LB93518						
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ICAL Standard		WP62283,WP62284,WP62285,WP62286,WP62287,WP62288,WP62289				
ICV Standard		WP62291				
CCV Standard		WP62290				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62292,WP59958,WP60878				
22	CCB2	CCB2	CCB	02/26/18 13:08		OK
23	J1675-05	VNJ-223	SAM	02/26/18 13:08		OK
24	J1686-06	T4-CONCRETE	SAM	02/26/18 13:08		OK
25	J1688-06	T-3-ROAD	SAM	02/26/18 13:08		OK
26	J1688-12	T-3-SOIL	SAM	02/26/18 13:08		OK
27	CCV3	CCV3	CCV	02/26/18 13:08		OK
28	CCB3	CCB3	CCB	02/26/18 13:08		OK



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	NB-01-022318	SDG No.:	LB93518
Lab Sample ID:	J1395-04	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	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	CL-02-022318-A	SDG No.:	LB93518
Lab Sample ID:	J1397-10	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	0.0004	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	CL-02-022318-B	SDG No.:	LB93518
Lab Sample ID:	J1397-12	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	0.00086	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	CL-02-022318-C	SDG No.:	LB93518
Lab Sample ID:	J1397-14	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	0.00065	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	CL-02-022318-D	SDG No.:	LB93518
Lab Sample ID:	J1397-16	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	0.0034	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	CL-02-022318-E	SDG No.:	LB93518
Lab Sample ID:	J1397-18	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	0.0012	U	1	0.025		0.049	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	72-11977-72-11982	SDG No.:	LB93518
Lab Sample ID:	J1672-04	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	0.0021	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	LB93518
Lab Sample ID:	J1675-05	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	0.0012	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	T4-CONCRETE	SDG No.:	LB93518
Lab Sample ID:	J1686-06	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	-0.0001	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	T-3-ROAD	SDG No.:	LB93518
Lab Sample ID:	J1688-06	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	0.00076	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	T-3-SOIL	SDG No.:	LB93518
Lab Sample ID:	J1688-12	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	0.0019	U	1	0.025		0.05	mg/Kg	02/26/2018	02/26/2018	9012B



Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93518	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	T-3-SOIL	SDG No.:	LB93518
Lab Sample ID:	J1688-12	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: LB93518

SDG No.: LB93518

Contract: _____

Lab Code: CHEM

Case No.: LB93518

SAS No.: LB93518

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Reactive Cyanide	0.095	0.099	96		85 - 115		02/26/2018	13:01	LB93518



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93518

SDG No.: LB93518

Contract: _____ Lab Code: CHEM

Case No.: LB93518

SAS No.: LB93518

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.25	0.25	100		90 - 110		02/26/2018	13:01	LB93518
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		02/26/2018	13:08	LB93518
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		02/26/2018	13:08	LB93518



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93518

SDG No.: LB93518

Contract:

Lab Code: CHEM

Case No.: LB93518

SAS No.: LB93518

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00017	+/-0.005	U		0.005		02/26/2018	13:01	LB93518

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		02/26/2018	13:01	LB93518
CCB2	Reactive Cyanide	0.00024	+/-0.005	U		0.005		02/26/2018	13:08	LB93518
CCB3	Reactive Cyanide	0.0003	+/-0.005	U		0.005		02/26/2018	13:08	LB93518



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93518

SDG No.: LB93518

Contract: Lab Code: CHEM

Case No.: LB93518

SAS No.: LB93518

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: LB93518

SDG No.: LB93518

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
PB106823BL	Reactive Cyanide	SOLID -0.00046	<0.05	Batch Number: U		PB106823 0.05		Prep Date: 02/26/2018	02/26/2018 13:01	LB93518

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93518 **Level:** LOW **SDG No.:** LB93518
Contract: **Lab Code:** CHEM **Case No.:** LB93518 **SAS No.:** LB93518
Matrix: Solid **Sample ID:** J1395-04 **Client ID:** NB-01-022318DUP
Percent Solids for Sample: 100 **Duplicate ID** J1395-04DUP **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	0.00061	U			