

Daily Analysis Runlog For Sequence/QC Batch ID # LB93548

Review By

Review On

SubDirectory

LB93548

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP62305,WP62306,WP62307,WP62308,WP62309,WP62310,WP62311
ICV Standard	WP62313
CCV Standard	WP62312
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP62314,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/27/18 09:09		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/27/18 09:09		OK
3	10PPBCN	10PPBCN	CAL3	02/27/18 09:09		OK
4	50PPBCN	50PPBCN	CAL4	02/27/18 09:09		OK
5	100PPBCN	100PPBCN	CAL5	02/27/18 09:09		OK
6	250PPBCN	250PPBCN	CAL6	02/27/18 09:09		OK
7	500PPBCN	500PPBCN	CAL7	02/27/18 09:09		OK
8	ICV1	ICV1	ICV	02/27/18 12:29		OK
9	ICB1	ICB1	ICB	02/27/18 12:29		OK
10	CCV1	CCV1	CCV	02/27/18 12:29		OK
11	CCB1	CCB1	CCB	02/27/18 12:29		OK
12	PB106880BL	PB106880BL	MB	02/27/18 12:29		OK
13	J1400-08	EO-02-022618-A	SAM	02/27/18 12:29		OK
14	J1400-08DUP	EO-02-022618-ADUP	DUP	02/27/18 12:29		OK
15	J1400-10	EO-02-022618-B	SAM	02/27/18 12:29		OK
16	J1400-12	EO-02-022618-C	SAM	02/27/18 12:29		OK
17	J1697-03	T2-T3	SAM	02/27/18 12:29		OK
18	J1698-04	B1	SAM	02/27/18 12:29		OK
19	J1698-08	B2	SAM	02/27/18 12:37		OK
20	J1698-12	B3	SAM	02/27/18 12:37		OK
21	J1698-16	B4	SAM	02/27/18 12:37		OK

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

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SubDirectory		Test : Reactive Cyanide				
LB93548						
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ICAL Standard		WP62305,WP62306,WP62307,WP62308,WP62309,WP62310,WP62311				
ICV Standard		WP62313				
CCV Standard		WP62312				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62314,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/27/18 12:37		OK
23	CCB2	CCB2	CCB	02/27/18 12:37		OK
24	J1705-06	100MVAR	SAM	02/27/18 12:37		OK
25	PB106881BL	PB106881BL	MB	02/27/18 12:37		OK
26	J1705-08	100MVAR	SAM	02/27/18 12:37		OK
27	J1705-08DUP	100MVAR DUP	DUP	02/27/18 12:37		OK
28	CCV3	CCV3	CCV	02/27/18 12:37		OK
29	CCB3	CCB3	CCB	02/27/18 12:37		OK



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	EO-02-022618-A	SDG No.:	LB93548
Lab Sample ID:	J1400-08	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	0.0046	U	1	0.025		0.05	mg/Kg	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	EO-02-022618-B	SDG No.:	LB93548
Lab Sample ID:	J1400-10	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	0.0038	U	1	0.025		0.05	mg/Kg	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	EO-02-022618-C	SDG No.:	LB93548
Lab Sample ID:	J1400-12	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	0.0027	U	1	0.025		0.05	mg/Kg	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	T2-T3	SDG No.:	LB93548
Lab Sample ID:	J1697-03	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	0.0047	U	1	0.025		0.05	mg/Kg	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	B1	SDG No.:	LB93548
Lab Sample ID:	J1698-04	Matrix:	Solid
Level (low/med):	low	% Solid:	87.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0042	U	1	0.025		0.05	mg/Kg	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	B2	SDG No.:	LB93548
Lab Sample ID:	J1698-08	Matrix:	Solid
Level (low/med):	low	% Solid:	86.5

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	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	B3	SDG No.:	LB93548
Lab Sample ID:	J1698-12	Matrix:	Solid
Level (low/med):	low	% Solid:	81

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0047	U	1	0.025		0.05	mg/Kg	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	B4	SDG No.:	LB93548
Lab Sample ID:	J1698-16	Matrix:	Solid
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0062	U	1	0.025		0.05	mg/Kg	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	100MVAR	SDG No.:	LB93548
Lab Sample ID:	J1705-06	Matrix:	Solid
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.003	U	1	0.025		0.05	mg/Kg	02/27/2018	02/27/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	100MVAR	SDG No.:	LB93548
Lab Sample ID:	J1705-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00026	U	1	0.0025		0.005	mg/L	02/27/2018	02/27/2018	9012B



Report of Analysis

Client:		Date Collected:	2/26/2018 12:00:00 AM
Project:	LB93548	Date Received:	2/26/2018 12:00:00 AM
Client Sample ID:	100MVAR	SDG No.:	LB93548
Lab Sample ID:	J1705-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: LB93548

SDG No.: LB93548

Contract: _____ Lab Code: CHEM

Case No.: LB93548

SAS No.: LB93548

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	0.24	0.25	96		90 - 110		02/27/2018	12:29	LB93548
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		02/27/2018	12:37	LB93548
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		02/27/2018	12:37	LB93548



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93548

SDG No.: LB93548

Contract:

Lab Code: CHEM

Case No.: LB93548

SAS No.: LB93548

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00054	+/-0.005	U		0.005		02/27/2018	12:29	LB93548



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93548

SDG No.: LB93548

Contract:

Lab Code: CHEM

Case No.: LB93548

SAS No.: LB93548

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00063	+/-0.005	U		0.005		02/27/2018	12:29	LB93548
CCB2	Reactive Cyanide	0.00069	+/-0.005	U		0.005		02/27/2018	12:37	LB93548
CCB3	Reactive Cyanide	0.00071	+/-0.005	U		0.005		02/27/2018	12:37	LB93548



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93548

SDG No.: LB93548

Contract: Lab Code: CHEM

Case No.: LB93548

SAS No.: LB93548

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: LB93548

SDG No.: LB93548

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
PB106880BL	Reactive Cyanide	SOLID		Batch Number:		PB106880		Prep Date:	02/27/2018	
		0.0044	<0.05	U		0.05		02/27/2018	12:29	LB93548
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB106881BL	Reactive Cyanide	WATER		Batch Number:		PB106881		Prep Date:	02/27/2018	
		0.00032	<0.005	U		0.005		02/27/2018	12:37	LB93548

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93548 **Level:** LOW **SDG No.:** LB93548
Contract: **Lab Code:** CHEM **Case No.:** LB93548 **SAS No.:** LB93548
Matrix: Solid **Sample ID:** J1400-08 **Client ID:** EO-02-022618-ADUP
Percent Solids for Sample: 100 **Duplicate ID** J1400-08DUP **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	0.0028	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93548 **Level:** LOW **SDG No.:** LB93548
Contract: **Lab Code:** CHEM **Case No.:** LB93548 **SAS No.:** LB93548
Matrix: WATER **Sample ID:** J1705-08 **Client ID:** 100MVARUP
Percent Solids for Sample: 0 **Duplicate ID** J1705-08DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	0.00017	U			