

Daily Analysis Runlog For Sequence/QC Batch ID # LB93334

Review By		Review On				
SubDirectory		LB93334		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62021,WP62022,WP62023,WP62024,WP62025,WP62026,WP62027				
ICV Standard		WP62029				
CCV Standard		WP62028				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62030,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/16/18 12:53		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/16/18 12:53		OK
3	10PPBCN	10PPBCN	CAL3	02/16/18 12:53		OK
4	50PPBCN	50PPBCN	CAL4	02/16/18 12:53		OK
5	100PPBCN	100PPBCN	CAL5	02/16/18 12:53		OK
6	250PPBCN	250PPBCN	CAL6	02/16/18 12:53		OK
7	500PPBCN	500PPBCN	CAL7	02/16/18 12:53		OK
8	ICV1	ICV1	ICV	02/16/18 13:22		OK
9	ICB1	ICB1	ICB	02/16/18 13:22		OK
10	CCV1	CCV1	CCV	02/16/18 13:22		OK
11	CCB1	CCB1	CCB	02/16/18 13:22		OK
12	PB106618BL	PB106618BL	MB	02/16/18 13:22		OK
13	J1399-06	OR-02-021518-A	SAM	02/16/18 13:22		OK
14	J1399-06DUP	OR-02-021518-ADUP	DUP	02/16/18 13:22		OK
15	J1399-08	OR-02-021518-B	SAM	02/16/18 13:22		OK
16	J1401-02	SA-06-021518-A	SAM	02/16/18 13:22		OK
17	J1401-04	SA-06-021518-B	SAM	02/16/18 13:22		OK
18	J1402-02	PL-01-021418-A	SAM	02/16/18 13:22		OK
19	J1402-04	PL-01-021418-B	SAM	02/16/18 13:28		OK
20	J1402-06	PL-01-021418-C	SAM	02/16/18 13:28		OK
21	J1575-06	SAMPLE-A	SAM	02/16/18 13:28		OK



Instrument ID : KONELAB

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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ICAL Standard		WP62021,WP62022,WP62023,WP62024,WP62025,WP62026,WP62027				
ICV Standard		WP62029				
CCV Standard		WP62028				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62030,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/16/18 13:28		OK
23	CCB2	CCB2	CCB	02/16/18 13:28		OK
24	J1575-12	SAMPLE-B	SAM	02/16/18 13:28		OK
25	CCV3	CCV3	CCV	02/16/18 13:28		OK
26	CCB3	CCB3	CCB	02/16/18 13:28		OK



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Report of Analysis

Client:		Date Collected:	2/15/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/15/2018 12:00:00 AM
Client Sample ID:	OR-02-021518-A	SDG No.:	LB93334
Lab Sample ID:	J1399-06	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	-0.0076	U	1	0.025		0.05	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/15/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/15/2018 12:00:00 AM
Client Sample ID:	OR-02-021518-B	SDG No.:	LB93334
Lab Sample ID:	J1399-08	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	-0.0059	U	1	0.025		0.05	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/15/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/15/2018 12:00:00 AM
Client Sample ID:	SA-06-021518-A	SDG No.:	LB93334
Lab Sample ID:	J1401-02	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	-0.0072	U	1	0.025		0.049	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/15/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/15/2018 12:00:00 AM
Client Sample ID:	SA-06-021518-B	SDG No.:	LB93334
Lab Sample ID:	J1401-04	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	-0.0058	U	1	0.025		0.05	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	PL-01-021418-A	SDG No.:	LB93334
Lab Sample ID:	J1402-02	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	-0.0093	U	1	0.025		0.05	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	PL-01-021418-B	SDG No.:	LB93334
Lab Sample ID:	J1402-04	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	-0.0081	U	1	0.025		0.05	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/14/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/14/2018 12:00:00 AM
Client Sample ID:	PL-01-021418-C	SDG No.:	LB93334
Lab Sample ID:	J1402-06	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	-0.0011	U	1	0.025		0.05	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/15/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/15/2018 12:00:00 AM
Client Sample ID:	SAMPLE-A	SDG No.:	LB93334
Lab Sample ID:	J1575-06	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		0.049	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/15/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/15/2018 12:00:00 AM
Client Sample ID:	SAMPLE-B	SDG No.:	LB93334
Lab Sample ID:	J1575-12	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	-0.0052	U	1	0.025		0.05	mg/Kg	02/16/2018	02/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/15/2018 12:00:00 AM
Project:	LB93334	Date Received:	2/15/2018 12:00:00 AM
Client Sample ID:	SAMPLE-B	SDG No.:	LB93334
Lab Sample ID:	J1575-12	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: LB93334

SDG No.: LB93334

Contract: _____ Lab Code: CHEM

Case No.: LB93334

SAS No.: LB93334

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	0.097	0.099	98		85 - 115		02/16/2018	13:22	lb93334



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93334

SDG No.: LB93334

Contract: _____ Lab Code: CHEM

Case No.: LB93334

SAS No.: LB93334

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		02/16/2018	13:22	lb93334
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		02/16/2018	13:28	lb93334
CCV3	Reactive Cyanide	0.27	0.25	108		90 - 110		02/16/2018	13:28	lb93334



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93334

SDG No.: LB93334

Contract:

Lab Code: CHEM

Case No.: LB93334

SAS No.: LB93334

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00046	+/-0.005	U		0.005		02/16/2018	13:22	lb93334

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00058	+/-0.005	U		0.005		02/16/2018	13:22	lb93334
CCB2	Reactive Cyanide	-0.0004	+/-0.005	U		0.005		02/16/2018	13:28	lb93334
CCB3	Reactive Cyanide	-0.0003	+/-0.005	U		0.005		02/16/2018	13:28	lb93334



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB93334

SDG No.:

LB93334

Contract:

Lab Code:

CHEM

Case No.:

LB93334

SAS No.:

LB93334

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: LB93334

SDG No.: LB93334

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
PB106618BL	Reactive Cyanide	SOLID -0.0056	<0.05	Batch Number: U		PB106618 0.05		Prep Date: 02/16/2018	02/16/2018 13:22	lb93334

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93334 **Level:** LOW **SDG No.:** LB93334
Contract: **Lab Code:** CHEM **Case No.:** LB93334 **SAS No.:** LB93334
Matrix: Solid **Sample ID:** J1399-06 **Client ID:** OR-02-021518-ADUP
Percent Solids for Sample: 100 **Duplicate ID** J1399-06DUP **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	-0.0063	U			