

Daily Analysis Runlog For Sequence/QC Batch ID # LB93213

Review By		Review On				
SubDirectory		LB93213		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61806,WP61807,WP61808,WP61809,WP61810,WP61811,WP61815				
ICV Standard		WP61813				
CCV Standard		WP61812				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61814,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/12/18 08:50		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/12/18 08:50		OK
3	10PPBCN	10PPBCN	CAL3	02/12/18 08:50		OK
4	50PPBCN	50PPBCN	CAL4	02/12/18 08:50		OK
5	100PPBCN	100PPBCN	CAL5	02/12/18 08:50		OK
6	250PPBCN	250PPBCN	CAL6	02/12/18 08:50		OK
7	500PPBCN	500PPBCN	CAL7	02/12/18 08:50		OK
8	ICV1	ICV1	ICV	02/12/18 09:34		OK
9	ICB1	ICB1	ICB	02/12/18 09:35		OK
10	CCV1	CCV1	CCV	02/12/18 09:35		OK
11	CCB1	CCB1	CCB	02/12/18 09:35		OK
12	PB106436BL	PB106436BL	MB	02/12/18 09:35		OK
13	J1499-03	RO-154	SAM	02/12/18 09:35		OK
14	J1499-03DUP	RO-154DUP	DUP	02/12/18 09:35		OK
15	J1501-02	CO-6817	SAM	02/12/18 09:35		OK
16	J1507-03	VNJ-214	SAM	02/12/18 09:35		OK
17	J1510-06	MADISON-MH	SAM	02/12/18 09:35		OK
18	J1511-04	MM-1	SAM	02/12/18 09:42		OK
19	J1511-05	MM-2	SAM	02/12/18 09:42		OK
20	J1511-06	MM-3	SAM	02/12/18 09:42		OK
21	J1512-03	RO-2334	SAM	02/12/18 09:42		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				
LB93213						
STD. NAME		STD REF.#				
ICAL Standard		WP61806,WP61807,WP61808,WP61809,WP61810,WP61811,WP61815				
ICV Standard		WP61813				
CCV Standard		WP61812				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61814,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/12/18 09:42		OK
23	CCB2	CCB2	CCB	02/12/18 09:42		OK
24	J1512-06	RO-3091	SAM	02/12/18 09:42		OK
25	J1512-09	RO-4252	SAM	02/12/18 09:42		OK
26	J1512-12	RO-4632	SAM	02/12/18 09:42		OK
27	CCV3	CCV3	CCV	02/12/18 09:42		OK
28	CCB3	CCB3	CCB	02/12/18 09:42		OK

Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	RO-154	SDG No.:	LB93213
Lab Sample ID:	J1499-03	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	-0.0071	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	CO-6817	SDG No.:	LB93213
Lab Sample ID:	J1501-02	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	-0.0056	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B

Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	VNJ-214	SDG No.:	LB93213
Lab Sample ID:	J1507-03	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	-0.0051	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B

Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	MADISON-MH	SDG No.:	LB93213
Lab Sample ID:	J1510-06	Matrix:	Solid
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.004	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B

Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	MM-1	SDG No.:	LB93213
Lab Sample ID:	J1511-04	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	-0.0061	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B

Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	MM-2	SDG No.:	LB93213
Lab Sample ID:	J1511-05	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	-0.0055	U	1	0.025		0.049	mg/Kg	02/09/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	MM-3	SDG No.:	LB93213
Lab Sample ID:	J1511-06	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	-0.005	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B

Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	RO-2334	SDG No.:	LB93213
Lab Sample ID:	J1512-03	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	-0.004	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	RO-3091	SDG No.:	LB93213
Lab Sample ID:	J1512-06	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	02/09/2018	02/12/2018	9012B

Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	RO-4252	SDG No.:	LB93213
Lab Sample ID:	J1512-09	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	-0.0062	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B

Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	RO-4632	SDG No.:	LB93213
Lab Sample ID:	J1512-12	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	-0.0017	U	1	0.025		0.05	mg/Kg	02/09/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/8/2018 12:00:00 AM
Project:	LB93213	Date Received:	2/8/2018 12:00:00 AM
Client Sample ID:	RO-4632	SDG No.:	LB93213
Lab Sample ID:	J1512-12	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: LB93213

SDG No.: LB93213

Contract: _____

Lab Code: CHEM

Case No.: LB93213

SAS No.: LB93213

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		02/12/2018	09:34	lb93213



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93213

SDG No.: LB93213

Contract: _____ Lab Code: CHEM

Case No.: LB93213

SAS No.: LB93213

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		02/12/2018	09:35	lb93213
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		02/12/2018	09:42	lb93213
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		02/12/2018	09:42	lb93213



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93213

SDG No.: LB93213

Contract:

Lab Code: CHEM

Case No.: LB93213

SAS No.: LB93213

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00033	+/-0.005	U		0.005		02/12/2018	09:35	1b93213



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93213

SDG No.: LB93213

Contract:

Lab Code: CHEM

Case No.: LB93213

SAS No.: LB93213

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00013	+/-0.005	U		0.005		02/12/2018	09:35	1b93213
CCB2	Reactive Cyanide	-0.00058	+/-0.005	U		0.005		02/12/2018	09:42	1b93213
CCB3	Reactive Cyanide	-0.00019	+/-0.005	U		0.005		02/12/2018	09:42	1b93213



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93213

SDG No.: LB93213

Contract: Lab Code: CHEM

Case No.: LB93213

SAS No.: LB93213

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: LB93213

SDG No.: LB93213

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
PB106436BL	Reactive Cyanide	SOLID -0.0051	<0.05	Batch Number: U		PB106436 0.05		Prep Date: 02/12/2018	02/09/2018 09:35	lb93213

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93213 **Level:** LOW **SDG No.:** LB93213
Contract: **Lab Code:** CHEM **Case No.:** LB93213 **SAS No.:** LB93213
Matrix: Solid **Sample ID:** J1499-03 **Client ID:** RO-154DUP
Percent Solids for Sample: 100 **Duplicate ID** J1499-03DUP **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	-0.0035	U			