

Daily Analysis Runlog For Sequence/QC Batch ID # LB93839

Review By

Review On

SubDirectory

LB93839

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP62621,WP62622,WP62623,WP62624,WP62625,WP62626,WP62627
ICV Standard	W1542
CCV Standard	WP62628
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP58910
Chk Standard	WP62630,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/12/18 11:03		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/12/18 11:03		OK
3	10PPBCN	10PPBCN	CAL3	03/12/18 11:03		OK
4	50PPBCN	50PPBCN	CAL4	03/12/18 11:03		OK
5	100PPBCN	100PPBCN	CAL5	03/12/18 11:03		OK
6	250PPBCN	250PPBCN	CAL6	03/12/18 11:03		OK
7	500PPBCN	500PPBCN	CAL7	03/12/18 11:03		OK
8	ICV1	ICV1	ICV	03/12/18 15:13		OK
9	ICB1	ICB1	ICB	03/12/18 15:13		OK
10	CCV1	CCV1	CCV	03/12/18 15:13		OK
11	CCB1	CCB1	CCB	03/12/18 15:13		OK
12	PB107265BL	PB107265BL	MB	03/12/18 15:13		OK
13	PB107265BS	PB107265BS	LCS	03/12/18 15:13		OK
14	J1874-01	MHC-WCIS	SAM	03/12/18 15:13		OK
15	J1874-01DUP	MHC-WCISDUP	DUP	03/12/18 15:13		OK
16	J1874-01MS	MHC-WCISMS	MS	03/12/18 15:13		OK
17	J1874-01MSD	MHC-WCISMSD	MSD	03/12/18 15:13		OK
18	J1876-02	SB-07-08-10	SAM	03/12/18 15:13		OK
19	J1876-04	SB-11-01-03	SAM	03/12/18 15:20		OK
20	PB107253BL	PB107253BL	MB	03/12/18 15:20		OK
21	PB107253BS	PB107253BS	LCS	03/12/18 15:20		OK

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

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LB93839		Cyanide				
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ICAL Standard		WP62621,WP62622,WP62623,WP62624,WP62625,WP62626,WP62627				
ICV Standard		W1542				
CCV Standard		WP62628				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62630,WP59958,WP60878				
22	CCV2	CCV2	CCV	03/12/18 15:20		OK
23	CCB2	CCB2	CCB	03/12/18 15:20		OK
24	J1821-08	AMENDED-COMPOS	SAM	03/12/18 15:20		OK
25	J1821-08DUP	AMENDED-COMPOS	DUP	03/12/18 15:20		OK
26	J1821-08MS	AMENDED-COMPOS	MS	03/12/18 15:20		OK
27	J1821-08MSD	AMENDED-COMPOS	MSD	03/12/18 15:20		OK
28	J1821-09	AMENDED-COMPOS	SAM	03/12/18 15:20		OK
29	CCV3	CCV3	CCV	03/12/18 15:20		OK
30	CCB3	CCB3	CCB	03/12/18 15:23		OK



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Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93839	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	AMENDED-COMPOSITE-1-3-20180204	SDG No.:	LB93839
Lab Sample ID:	J1821-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.00014	U	1	0.003		0.005	mg/L	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93839	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	AMENDED-COMPOSITE-4-5-20180205	SDG No.:	LB93839
Lab Sample ID:	J1821-09	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0021	U	1	0.003		0.005	mg/L	03/12/2018	03/12/2018	9012B

Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93839	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	MHC-WCIS	SDG No.:	LB93839
Lab Sample ID:	J1874-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.02	U	1	0.04		0.3	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93839	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	SB-07-08-10	SDG No.:	LB93839
Lab Sample ID:	J1876-02	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.073	J	1	0.036		0.28	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93839	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	SB-11-01-03	SDG No.:	LB93839
Lab Sample ID:	J1876-04	Matrix:	Solid
Level (low/med):	low	% Solid:	95.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.017	U	1	0.034		0.26	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93839	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	SB-11-01-03	SDG No.:	LB93839
Lab Sample ID:	J1876-04	Matrix:	Solid
Level (low/med):	low	% Solid:	95.4

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

Sample ID	Analyte	Result	True Value	%	Acceptance	M	Analysis	Analysis	Run
		mg/L		Recovery	Window (%R)		Date	Time	Number
ICV1	Cyanide	0.096	0.099	97	85 - 115		03/12/2018	15:13	LB93839



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93839

SDG No.: LB93839

Contract: _____ Lab Code: CHEM

Case No.: LB93839

SAS No.: LB93839

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	Cyanide	0.24	0.25	96		90 - 110		03/12/2018	15:13	LB93839
CCV2	Cyanide	0.25	0.25	100		90 - 110		03/12/2018	15:20	LB93839
CCV3	Cyanide	0.24	0.25	96		90 - 110		03/12/2018	15:20	LB93839



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93839 **SDG No.:** LB93839
Contract: **Lab Code:** CHEM **Case No.:** LB93839 **SAS No.:** LB93839

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00033	+/-0.005	U		0.005		03/12/2018	15:13	LB93839



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93839

SDG No.: LB93839

Contract:

Lab Code: CHEM

Case No.: LB93839

SAS No.: LB93839

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00011	+/-0.005	U		0.005		03/12/2018	15:13	LB93839
CCB2	Cyanide	-0.00014	+/-0.005	U		0.005		03/12/2018	15:20	LB93839
CCB3	Cyanide	-0.00041	+/-0.005	U		0.005		03/12/2018	15:23	LB93839



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93839

SDG No.: LB93839

Contract: Lab Code: CHEM

Case No.: LB93839

SAS No.: LB93839

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: LB93839

SDG No.: LB93839

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB107253BL	Cyanide	WATER		Batch Number:		PB107253		Prep Date:	03/12/2018	
		-0.0002	<0.005	U		0.005		03/12/2018	15:20	LB93839
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB107265BL	Cyanide	SOLID		Batch Number:		PB107265		Prep Date:	03/12/2018	
		-0.0083	<0.24	U		0.24		03/12/2018	15:13	LB93839



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93839 level: low sdg no.: LB93839
contract: lab code: CHEM case no.: LB93839 sas no.: LB93839
matrix: WATER sample id: J1821-08 client id: AMENDED-COMPOSITE-1-3-20180204MS
Percent Solids for Sample: 0 Spiked ID: J1821-08MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.024		0.003	U	0.04	60	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93839 level: low sdg no.: LB93839
contract: lab code: CHEM case no.: LB93839 sas no.: LB93839
matrix: WATER sample id: J1821-08 client id: AMENDED-COMPOSITE-1-3-20180204MSD
Percent Solids for Sample: 0 Spiked ID: J1821-08MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.023		0.003	U	0.04	57.5	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93839 level: low sdg no.: LB93839
contract: lab code: CHEM case no.: LB93839 sas no.: LB93839
matrix: Solid sample id: J1874-01 client id: MHC-WCISMS
Percent Solids for Sample: 81.6 Spiked ID: J1874-01MS Percent Solids for Spike Sample: 81.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.04	U	2.4	83.3		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93839 level: low sdg no.: LB93839
contract: lab code: CHEM case no.: LB93839 sas no.: LB93839
matrix: Solid sample id: J1874-01 client id: MHC-WCISMSD
Percent Solids for Sample: 81.6 Spiked ID: J1874-01MSD Percent Solids for Spike Sample: 81.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.04	U	2.4	83.3		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93839 **Level:** LOW **SDG No.:** LB93839
Contract: **Lab Code:** CHEM **Case No.:** LB93839 **SAS No.:** LB93839
Matrix: WATER **Sample ID:** J1821-08 **Client ID:** AMENDED-COMPOSITE-1-3-20180204DUP
Percent Solids for Sample: 0 **Duplicate ID** J1821-08DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.003	U	0.0001	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93839 **Level:** LOW **SDG No.:** LB93839
Contract: **Lab Code:** CHEM **Case No.:** LB93839 **SAS No.:** LB93839
Matrix: WATER **Sample ID:** J1821-08MS **Client ID:** AMENDED-COMPOSITE-1-3-20180204MSD
Percent Solids for Sample: 0 **Duplicate ID** J1821-08MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.024		0.023		4		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93839 **Level:** LOW **SDG No.:** LB93839
Contract: **Lab Code:** CHEM **Case No.:** LB93839 **SAS No.:** LB93839
Matrix: Solid **Sample ID:** J1874-01 **Client ID:** MHC-WCISDUP
Percent Solids for Sample: 81.6 **Duplicate ID** J1874-01DUP **Percent Solids for Spike Sample:** 81.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.04	U	0.024	U			

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93839 **Level:** LOW **SDG No.:** LB93839
Contract: **Lab Code:** CHEM **Case No.:** LB93839 **SAS No.:** LB93839
Matrix: Solid **Sample ID:** J1874-01MS **Client ID:** MHC-WCISMSD
Percent Solids for Sample: 81.6 **Duplicate ID** J1874-01MSD **Percent Solids for Spike Sample:** 81.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		2		0		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93839 SDG No.: LB93839
Contract: Lab Code: CHEM Case No.: LB93839 SAS No.: LB93839

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107253BS Cyanide	mg/L	0.1	0.095		95	85 - 115	



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93839

SDG No.: LB93839

Contract:

Lab Code: CHEM

Case No.: LB93839

SAS No.: LB93839

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107265BS Cyanide	mg/Kg	5	4.8		96	85 - 115	