

Daily Analysis Runlog For Sequence/QC Batch ID # LB93146

Review By		Review On				
SubDirectory		LB93146		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61647,WP61648,WP61649,WP61650,WP61651,WP61652,WP61653				
ICV Standard		W1542				
CCV Standard		WP61654				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61657,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/07/18 10:16		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/07/18 10:16		OK
3	10PPBCN	10PPBCN	CAL3	02/07/18 10:16		OK
4	50PPBCN	50PPBCN	CAL4	02/07/18 10:16		OK
5	100PPBCN	100PPBCN	CAL5	02/07/18 10:16		OK
6	250PPBCN	250PPBCN	CAL6	02/07/18 10:16		OK
7	500PPBCN	500PPBCN	CAL7	02/07/18 10:16		OK
8	ICV1	ICV1	ICV	02/07/18 15:01		OK
9	ICB1	ICB1	ICB	02/07/18 15:01		OK
10	CCV1	CCV1	CCV	02/07/18 15:01		OK
11	CCB1	CCB1	CCB	02/07/18 15:01		OK
12	PB106369BL	PB106369BL	MB	02/07/18 15:01		OK
13	PB106369BS	PB106369BS	LCS	02/07/18 15:01		OK
14	J1469-01	WABUT-1	SAM	02/07/18 15:01		OK
15	J1469-01DUP	WABUT-1DUP	DUP	02/07/18 15:08		OK
16	J1469-01MS	WABUT-1MS	MS	02/07/18 15:08		OK
17	J1469-01MSD	WABUT-1MSD	MSD	02/07/18 15:08		OK
18	J1469-03	WABUT-2	SAM	02/07/18 15:09		OK
19	J1469-05	WABUT-3	SAM	02/07/18 15:09		OK
20	J1469-07	WABUT-4	SAM	02/07/18 15:09		OK
21	J1469-09	WABUT-5	SAM	02/07/18 15:09		OK

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

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LB93146						

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ICAL Standard	WP61647,WP61648,WP61649,WP61650,WP61651,WP61652,WP61653
ICV Standard	W1542
CCV Standard	WP61654
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP58910
Chk Standard	WP61657,WP59958,WP60878

#	Sample	Standard	Method	Time	Status	Result
22	CCV2	CCV2	CCV	02/07/18 15:09		OK
23	CCB2	CCB2	CCB	02/07/18 15:09		OK
24	J1469-11	WABUT-6	SAM	02/07/18 15:09		OK
25	J1469-13	3N-1	SAM	02/07/18 15:09		OK
26	J1469-15	3N-2	SAM	02/07/18 15:13		OK
27	J1469-17	3N-3	SAM	02/07/18 15:13		OK
28	J1469-19	3N-4	SAM	02/07/18 15:13		OK
29	CCV3	CCV3	CCV	02/07/18 15:13		OK
30	CCB3	CCB3	CCB	02/07/18 15:13		OK

Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	WABUT-1	SDG No.:	LB93146
Lab Sample ID:	J1469-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.097	J	1	0.04		0.3	mg/Kg	02/07/2018	02/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	WABUT-2	SDG No.:	LB93146
Lab Sample ID:	J1469-03	Matrix:	Solid
Level (low/med):	low	% Solid:	92.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.045	J	1	0.035		0.27	mg/Kg	02/07/2018	02/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	WABUT-3	SDG No.:	LB93146
Lab Sample ID:	J1469-05	Matrix:	Solid
Level (low/med):	low	% Solid:	77.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.1	J	1	0.042		0.32	mg/Kg	02/07/2018	02/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	WABUT-4	SDG No.:	LB93146
Lab Sample ID:	J1469-07	Matrix:	Solid
Level (low/med):	low	% Solid:	70.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.053	J	1	0.045		0.34	mg/Kg	02/07/2018	02/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	WABUT-5	SDG No.:	LB93146
Lab Sample ID:	J1469-09	Matrix:	Solid
Level (low/med):	low	% Solid:	75.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.097	J	1	0.042		0.32	mg/Kg	02/07/2018	02/07/2018	9012B

Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	WABUT-6	SDG No.:	LB93146
Lab Sample ID:	J1469-11	Matrix:	Solid
Level (low/med):	low	% Solid:	76.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.043		0.32	mg/Kg	02/07/2018	02/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	3N-1	SDG No.:	LB93146
Lab Sample ID:	J1469-13	Matrix:	Solid
Level (low/med):	low	% Solid:	82.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.15	J	1	0.039		0.3	mg/Kg	02/07/2018	02/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	3N-2	SDG No.:	LB93146
Lab Sample ID:	J1469-15	Matrix:	Solid
Level (low/med):	low	% Solid:	76.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.042		0.32	mg/Kg	02/07/2018	02/07/2018	9012B

Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	3N-3	SDG No.:	LB93146
Lab Sample ID:	J1469-17	Matrix:	Solid
Level (low/med):	low	% Solid:	77.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.043		0.32	mg/Kg	02/07/2018	02/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	3N-4	SDG No.:	LB93146
Lab Sample ID:	J1469-19	Matrix:	Solid
Level (low/med):	low	% Solid:	74.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.088	J	1	0.043		0.32	mg/Kg	02/07/2018	02/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/6/2018 12:00:00 AM
Project:	LB93146	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	3N-4	SDG No.:	LB93146
Lab Sample ID:	J1469-19	Matrix:	Solid
Level (low/med):	low	% Solid:	74.2

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: LB93146

SDG No.: LB93146

Contract: _____ Lab Code: CHEM

Case No.: LB93146

SAS No.: LB93146

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		02/07/2018	15:01	LB93146
CCV2	Cyanide	0.25	0.25	100		90 - 110		02/07/2018	15:09	LB93146
CCV3	Cyanide	0.25	0.25	100		90 - 110		02/07/2018	15:13	LB93146



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93146

SDG No.: LB93146

Contract:

Lab Code: CHEM

Case No.: LB93146

SAS No.: LB93146

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00059	+/-0.005	U		0.005		02/07/2018	15:01	LB93146



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93146		SDG No.: LB93146								
Contract:	Lab Code: CHEM	Case No.: LB93146	SAS No.: LB93146							
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00062	+/-0.005	U		0.005		02/07/2018	15:01	LB93146
CCB2	Cyanide	0.00073	+/-0.005	U		0.005		02/07/2018	15:09	LB93146
CCB3	Cyanide	0.00086	+/-0.005	U		0.005		02/07/2018	15:13	LB93146



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93146

SDG No.: LB93146

Contract: Lab Code: CHEM

Case No.: LB93146

SAS No.: LB93146

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: LB93146

SDG No.: LB93146

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
PB106369BL		SOLID		Batch Number:		PB106369		Prep Date:	02/07/2018	
	Cyanide	0.028	<0.25	U		0.25		02/07/2018	15:01	LB93146



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93146 level: low sdg no.: LB93146
contract: lab code: CHEM case no.: LB93146 sas no.: LB93146
matrix: Solid sample id: J1469-01 client id: WABUT-1MS
Percent Solids for Sample: 81.1 Spiked ID: J1469-01MS Percent Solids for Spike Sample: 81.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.097	J	2.4	83		

GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93146 level: low sdg no.: LB93146
contract: lab code: CHEM case no.: LB93146 sas no.: LB93146
matrix: Solid sample id: J1469-01 client id: WABUT-1MSD
Percent Solids for Sample: 81.1 Spiked ID: J1469-01MSD Percent Solids for Spike Sample: 81.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.097	J	2.4	83		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93146 **Level:** LOW **SDG No.:** LB93146
Contract: **Lab Code:** CHEM **Case No.:** LB93146 **SAS No.:** LB93146
Matrix: Solid **Sample ID:** J1469-01 **Client ID:** WABUT-1DUP
Percent Solids for Sample: 81.1 **Duplicate ID** J1469-01DUP **Percent Solids for Spike Sample:** 81.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.097	J	0.084	J	14		

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DUPLICATE SAMPLE SUMMARY

Client: LB93146 **Level:** LOW **SDG No.:** LB93146
Contract: **Lab Code:** CHEM **Case No.:** LB93146 **SAS No.:** LB93146
Matrix: Solid **Sample ID:** J1469-01MS **Client ID:** WABUT-1MSD
Percent Solids for Sample: 81.1 **Duplicate ID** J1469-01MSD **Percent Solids for Spike Sample:** 81.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.1		2.1		0		

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106369BS							
Cyanide	mg/Kg	4.8	4.6		95.8	85 - 115	