

Daily Analysis Runlog For Sequence/QC Batch ID # LB95876

Review By		Review On				
SubDirectory		LB95876		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP65100,WP65101,WP65102,WP65103,WP65104,WP65105,WP65106
ICV Standard	W1542
CCV Standard	WP65107
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
Chk Standard	WP65109,WP64695,WP64696

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/07/18 10:07		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/07/18 10:07		OK
3	10PPBCN	10PPBCN	CAL3	06/07/18 10:07		OK
4	50PPBCN	50PPBCN	CAL4	06/07/18 10:07		OK
5	100PPBCN	100PPBCN	CAL5	06/07/18 10:07		OK
6	250PPBCN	250PPBCN	CAL6	06/07/18 10:07		OK
7	500PPBCN	500PPBCN	CAL7	06/07/18 10:07		OK
8	ICV1	ICV1	ICV	06/07/18 14:30		OK
9	ICB1	ICB1	ICB	06/07/18 14:30		OK
10	CCV1	CCV1	CCV	06/07/18 14:30		OK
11	CCB1	CCB1	CCB	06/07/18 14:30		OK
12	PB110036BL	PB110036BL	MB	06/07/18 14:30		OK
13	PB110036BS	PB110036BS	LCS	06/07/18 14:30		OK
14	LOWPB110036	LOWPB110036	SAM	06/07/18 14:30		OK
15	HIGHPB110036	HIGHPB110036	SAM	06/07/18 14:30		OK
16	J3252-01	TR-04-060618	SAM	06/07/18 14:30		OK
17	J3344-01	HS-YARD-1	SAM	06/07/18 14:30		OK
18	J3344-05	HS-YARD-2	SAM	06/07/18 14:30		OK
19	J3344-09	HS-HOUSE-WALL	SAM	06/07/18 14:38		OK
20	J3350-01	FK-BPM-02-006-ABC	SAM	06/07/18 14:38		OK
21	CCV2	CCV2	CCV	06/07/18 14:38		OK

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SubDirectory		LB95876		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65100,WP65101,WP65102,WP65103,WP65104,WP65105,WP65106				
ICV Standard		W1542				
CCV Standard		WP65107				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65109,WP64695,WP64696				
22	CCB2	CCB2	CCB	06/07/18 14:38		OK
23	J3354-02	CAS1-SB-02-03-1-27	SAM	06/07/18 14:38		OK
24	J3354-02DUP	CAS1-SB-02-03-1-27	DUP	06/07/18 14:38		OK
25	J3354-03	CAS1-SB-02-03-1-27	MS	06/07/18 14:38		OK
26	J3354-04	CAS1-SB-02-03-1-27	MSD	06/07/18 14:38		OK
27	J3354-05	CAS1-SB-102-103-1-	SAM	06/07/18 14:38		OK
28	J3352-01	PS-SOIL	SAM	06/07/18 14:59		OK
29	CCV3	CCV3	CCV	06/07/18 14:59		OK
30	CCB3	CCB3	CCB	06/07/18 14:59		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB95876	Date Received:	
Client Sample ID:	HIGHPB110036	SDG No.:	LB95876
Lab Sample ID:	HIGHPB110036	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	0.48		1	0.003		0.005	mg/L		06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/6/2018 12:00:00 AM
Project:	LB95876	Date Received:	6/6/2018 12:00:00 AM
Client Sample ID:	TR-04-060618	SDG No.:	LB95876
Lab Sample ID:	J3252-01	Matrix:	Solid
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0063	U	1	0.034		0.26	mg/Kg	06/07/2018	06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/6/2018 12:00:00 AM
Project:	LB95876	Date Received:	6/6/2018 12:00:00 AM
Client Sample ID:	HS-YARD-1	SDG No.:	LB95876
Lab Sample ID:	J3344-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.23	J	1	0.031		0.24	mg/Kg	06/07/2018	06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/6/2018 12:00:00 AM
Project:	LB95876	Date Received:	6/6/2018 12:00:00 AM
Client Sample ID:	HS-YARD-2	SDG No.:	LB95876
Lab Sample ID:	J3344-05	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.044	J	1	0.031		0.24	mg/Kg	06/07/2018	06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/6/2018 12:00:00 AM
Project:	LB95876	Date Received:	6/6/2018 12:00:00 AM
Client Sample ID:	HS-HOUSE-WALL	SDG No.:	LB95876
Lab Sample ID:	J3344-09	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.032		0.24	mg/Kg	06/07/2018	06/07/2018	9012B

Report of Analysis

Client:		Date Collected:	6/6/2018 12:00:00 AM
Project:	LB95876	Date Received:	6/6/2018 12:00:00 AM
Client Sample ID:	FK-BPM-02-006-ABCD	SDG No.:	LB95876
Lab Sample ID:	J3350-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.048	U	1	0.035		0.26	mg/Kg	06/07/2018	06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/6/2018 12:00:00 AM
Project:	LB95876	Date Received:	6/6/2018 12:00:00 AM
Client Sample ID:	PS-SOIL	SDG No.:	LB95876
Lab Sample ID:	J3352-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.012	U	1	0.036		0.27	mg/Kg	06/07/2018	06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/6/2018 12:00:00 AM
Project:	LB95876	Date Received:	6/6/2018 12:00:00 AM
Client Sample ID:	CAS1-SB-02-03-1-27	SDG No.:	LB95876
Lab Sample ID:	J3354-02	Matrix:	Solid
Level (low/med):	low	% Solid:	81.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.016	U	1	0.039		0.29	mg/Kg	06/07/2018	06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/6/2018 12:00:00 AM
Project:	LB95876	Date Received:	6/6/2018 12:00:00 AM
Client Sample ID:	CAS1-SB-102-103-1-27	SDG No.:	LB95876
Lab Sample ID:	J3354-05	Matrix:	Solid
Level (low/med):	low	% Solid:	84.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0081	U	1	0.036		0.27	mg/Kg	06/07/2018	06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95876	Date Received:	
Client Sample ID:	LOWPB110036	SDG No.:	LB95876
Lab Sample ID:	LOWPB110036	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	0.0092		1	0.003		0.005	mg/L		06/07/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95876	Date Received:	
Client Sample ID:	LOWPB110036	SDG No.:	LB95876
Lab Sample ID:	LOWPB110036	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: LB95876

SDG No.: LB95876

Contract: _____ Lab Code: CHEM

Case No.: LB95876

SAS No.: LB95876

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	Cyanide	0.098	0.099	99		85 - 115		06/07/2018	14:30	LB95876



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95876

SDG No.: LB95876

Contract: _____ Lab Code: CHEM

Case No.: LB95876

SAS No.: LB95876

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	0.25	0.25	100		90 - 110		06/07/2018	14:30	LB95876
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/07/2018	14:38	LB95876
CCV3	Cyanide	0.26	0.25	104		90 - 110		06/07/2018	14:59	LB95876



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95876

SDG No.: LB95876

Contract:

Lab Code: CHEM

Case No.: LB95876

SAS No.: LB95876

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		06/07/2018	14:30	LB95876



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95876

SDG No.: LB95876

Contract:

Lab Code: CHEM

Case No.: LB95876

SAS No.: LB95876

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00079	+/-0.005	U		0.005		06/07/2018	14:30	LB95876
CCB2	Cyanide	-0.00015	+/-0.005	U		0.005		06/07/2018	14:38	LB95876
CCB3	Cyanide	-0.00055	+/-0.005	U		0.005		06/07/2018	14:59	LB95876



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95876

SDG No.: LB95876

Contract: Lab Code: CHEM

Case No.: LB95876

SAS No.: LB95876

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: LB95876

SDG No.: LB95876

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
PB110036BL		SOLID		Batch Number:		PB110036		Prep Date:	06/07/2018	
	Cyanide	-0.038	<0.24	U		0.24		06/07/2018	14:30	LB95876



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95876 level: low sdg no.: LB95876
contract: lab code: CHEM case no.: LB95876 sas no.: LB95876
matrix: Solid sample id: J3354-02 client id: CAS1-SB-02-03-1-27MS
Percent Solids for Sample: 81.5 Spiked ID: J3354-03 Percent Solids for Spike Sample: 81.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.039	U	2.4	79.2		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95876 level: low sdg no.: LB95876
contract: lab code: CHEM case no.: LB95876 sas no.: LB95876
matrix: Solid sample id: J3354-02 client id: CAS1-SB-02-03-1-27MSD
Percent Solids for Sample: 81.5 Spiked ID: J3354-04 Percent Solids for Spike Sample: 81.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.039	U	2.3	87		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95876 **Level:** LOW **SDG No.:** LB95876
Contract: **Lab Code:** CHEM **Case No.:** LB95876 **SAS No.:** LB95876
Matrix: Solid **Sample ID:** J3354-02 **Client ID:** CAS1-SB-02-03-1-27DUP
Percent Solids for Sample: 81.5 **Duplicate ID** J3354-02DUP **Percent Solids for Spike Sample:** 81.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.039	U	-0.02	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB95876 **Level:** LOW **SDG No.:** LB95876
Contract: **Lab Code:** CHEM **Case No.:** LB95876 **SAS No.:** LB95876
Matrix: Solid **Sample ID:** J3354-03 **Client ID:** CAS1-SB-02-03-1-27MSD
Percent Solids for Sample: 81.5 **Duplicate ID** J3354-04 **Percent Solids for Spike Sample:** 81.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9			2	5		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95876

SDG No.: LB95876

Contract:

Lab Code: CHEM

Case No.: LB95876

SAS No.: LB95876

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB110036BS Cyanide	mg/Kg	5	4.9		98	85 - 115	