

Daily Analysis Runlog For Sequence/QC Batch ID # LB95901

Review By		Review On				
SubDirectory		LB95901		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65131,WP65132,WP65133,WP65134,WP65135,WP65136,WP65137				
ICV Standard		W1542				
CCV Standard		WP65138				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65140,WP64695,WP64696				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/08/18 09:59		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/08/18 09:59		OK
3	10PPBCN	10PPBCN	CAL3	06/08/18 09:59		OK
4	50PPBCN	50PPBCN	CAL4	06/08/18 09:59		OK
5	100PPBCN	100PPBCN	CAL5	06/08/18 10:00		OK
6	250PPBCN	250PPBCN	CAL6	06/08/18 10:00		OK
7	500PPBCN	500PPBCN	CAL7	06/08/18 10:00		OK
8	ICV1	ICV1	ICV	06/08/18 12:02		OK
9	ICB1	ICB1	ICB	06/08/18 12:02		OK
10	CCV1	CCV1	CCV	06/08/18 12:02		OK
11	CCB1	CCB1	CCB	06/08/18 12:02		OK
12	PB110074BL	PB110074BL	MB	06/08/18 12:02		OK
13	PB110074BS	PB110074BS	LCS	06/08/18 12:02		OK
14	LOWPB110074	LOWPB110074	SAM	06/08/18 12:02		OK
15	HIGHPB110074	HIGHPB110074	SAM	06/08/18 12:02		OK
16	J3214-03	MS-CON-2	SAM	06/08/18 12:02		OK
17	J3240-01	BU-02-060718	SAM	06/08/18 12:02		OK
18	J3240-01DUP	BU-02-060718DUP	DUP	06/08/18 12:02		OK
19	J3240-01MS	BU-02-060718MS	MS	06/08/18 12:10		OK
20	J3240-01MSD	BU-02-060718MSD	MSD	06/08/18 12:10		OK
21	J3247-01	OR-02-060718	SAM	06/08/18 12:10		OK

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

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SubDirectory		Test : Cyanide				
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CCV Standard		WP65138				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65140,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/08/18 12:10		OK
23	CCB2	CCB2	CCB	06/08/18 12:10		OK
24	J3360-01	JC-SOIL-COMP	SAM	06/08/18 12:10		OK
25	J3377-01	TP-B-DB-S	SAM	06/08/18 12:10		OK
26	J3377-04	TP-B-D	SAM	06/08/18 12:10		OK
27	J3377-08	TP-C-DB	SAM	06/08/18 12:10		OK
28	CCV3	CCV3	CCV	06/08/18 12:10		OK
29	CCB3	CCB3	CCB	06/08/18 12:10		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB95901	Date Received:	
Client Sample ID:	HIGHPB110074	SDG No.:	LB95901
Lab Sample ID:	HIGHPB110074	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	0.49		1	0.003		0.005	mg/L		06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/30/2018 12:00:00 AM
Project:	LB95901	Date Received:	5/30/2018 12:00:00 AM
Client Sample ID:	MS-CON-2	SDG No.:	LB95901
Lab Sample ID:	J3214-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.057	J	1	0.032		0.24	mg/Kg	06/08/2018	06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95901	Date Received:	6/7/2018 12:00:00 AM
Client Sample ID:	BU-02-060718	SDG No.:	LB95901
Lab Sample ID:	J3240-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0025	U	1	0.036		0.27	mg/Kg	06/08/2018	06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95901	Date Received:	6/7/2018 12:00:00 AM
Client Sample ID:	OR-02-060718	SDG No.:	LB95901
Lab Sample ID:	J3247-01	Matrix:	Solid
Level (low/med):	low	% Solid:	94.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.037	U	1	0.033		0.25	mg/Kg	06/08/2018	06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95901	Date Received:	6/7/2018 12:00:00 AM
Client Sample ID:	JC-SOIL-COMP	SDG No.:	LB95901
Lab Sample ID:	J3360-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.033	U	1	0.036		0.27	mg/Kg	06/08/2018	06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95901	Date Received:	6/7/2018 12:00:00 AM
Client Sample ID:	TP-B-DB-S	SDG No.:	LB95901
Lab Sample ID:	J3377-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.028	U	1	0.034		0.26	mg/Kg	06/08/2018	06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95901	Date Received:	6/7/2018 12:00:00 AM
Client Sample ID:	TP-B-D	SDG No.:	LB95901
Lab Sample ID:	J3377-04	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.029	U	1	0.037		0.28	mg/Kg	06/08/2018	06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95901	Date Received:	6/7/2018 12:00:00 AM
Client Sample ID:	TP-C-DB	SDG No.:	LB95901
Lab Sample ID:	J3377-08	Matrix:	Solid
Level (low/med):	low	% Solid:	90.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.00041	U	1	0.036		0.27	mg/Kg	06/08/2018	06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95901	Date Received:	
Client Sample ID:	LOWPB110074	SDG No.:	LB95901
Lab Sample ID:	LOWPB110074	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		06/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95901	Date Received:	
Client Sample ID:	LOWPB110074	SDG No.:	LB95901
Lab Sample ID:	LOWPB110074	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: LB95901

SDG No.: LB95901

Contract: _____

Lab Code: CHEM

Case No.: LB95901

SAS No.: LB95901

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	0.096	0.099	97		85 - 115		06/08/2018	12:02	LB95901



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95901

SDG No.: LB95901

Contract: _____ Lab Code: CHEM

Case No.: LB95901

SAS No.: LB95901

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		06/08/2018	12:02	LB95901
CCV2	Cyanide	0.24	0.25	96		90 - 110		06/08/2018	12:10	LB95901
CCV3	Cyanide	0.24	0.25	96		90 - 110		06/08/2018	12:10	LB95901



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95901 **SDG No.:** LB95901
Contract: **Lab Code:** CHEM **Case No.:** LB95901 **SAS No.:** LB95901

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00082	+/-0.005	U		0.005		06/08/2018	12:02	LB95901



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95901

SDG No.: LB95901

Contract:

Lab Code: CHEM

Case No.: LB95901

SAS No.: LB95901

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0011	+/-0.005	U		0.005		06/08/2018	12:02	LB95901
CCB2	Cyanide	-0.0006	+/-0.005	U		0.005		06/08/2018	12:10	LB95901
CCB3	Cyanide	-0.00071	+/-0.005	U		0.005		06/08/2018	12:10	LB95901



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB95901

SDG No.:

LB95901

Contract:

Lab Code:

CHEM

Case No.:

LB95901

SAS No.:

LB95901

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: LB95901

SDG No.: LB95901

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
PB110074BL	Cyanide	SOLID -0.049	<0.25	Batch Number: U		PB110074 0.25		Prep Date: 06/08/2018	06/08/2018 12:02	LB95901



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95901 level: low sdg no.: LB95901
contract: lab code: CHEM case no.: LB95901 sas no.: LB95901
matrix: Solid sample id: J3240-01 client id: BU-02-060718MS
Percent Solids for Sample: 87.6 Spiked ID: J3240-01MS Percent Solids for Spike Sample: 87.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.036	U	2.2	81.8		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95901 level: low sdg no.: LB95901
contract: lab code: CHEM case no.: LB95901 sas no.: LB95901
matrix: Solid sample id: J3240-01 client id: BU-02-060718MSD
Percent Solids for Sample: 87.6 Spiked ID: J3240-01MSD Percent Solids for Spike Sample: 87.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.036	U	2.2	81.8		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95901 **Level:** LOW **SDG No.:** LB95901
Contract: **Lab Code:** CHEM **Case No.:** LB95901 **SAS No.:** LB95901
Matrix: Solid **Sample ID:** J3240-01 **Client ID:** BU-02-060718DUP
Percent Solids for Sample: 87.6 **Duplicate ID** J3240-01DUP **Percent Solids for Spike Sample:** 87.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.036	U	-0.019	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95901 **Level:** LOW **SDG No.:** LB95901
Contract: **Lab Code:** CHEM **Case No.:** LB95901 **SAS No.:** LB95901
Matrix: Solid **Sample ID:** J3240-01MS **Client ID:** BU-02-060718MSD
Percent Solids for Sample: 87.6 **Duplicate ID** J3240-01MSD **Percent Solids for Spike Sample:** 87.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.8		1.8		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95901

SDG No.: LB95901

Contract:

Lab Code: CHEM

Case No.: LB95901

SAS No.: LB95901

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB110074BS Cyanide	mg/Kg	5	4.8		96	85 - 115	