

Daily Analysis Runlog For Sequence/QC Batch ID # LB94083

Review By		Review On				
SubDirectory		LB94083		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62907,WP62908,WP62909,WP62910,WP62911,WP62912,WP62913				
ICV Standard		W1542				
CCV Standard		WP62914				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP62916,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/22/18 11:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/22/18 11:38		OK
3	10PPBCN	10PPBCN	CAL3	03/22/18 11:38		OK
4	50PPBCN	50PPBCN	CAL4	03/22/18 11:38		OK
5	100PPBCN	100PPBCN	CAL5	03/22/18 11:38		OK
6	250PPBCN	250PPBCN	CAL6	03/22/18 11:38		OK
7	500PPBCN	500PPBCN	CAL7	03/22/18 11:38		OK
8	ICV1	ICV1	ICV	03/22/18 15:52		OK
9	ICB1	ICB1	ICB	03/22/18 15:52		OK
10	CCV1	CCV1	CCV	03/22/18 15:52		OK
11	CCB1	CCB1	CCB	03/22/18 15:52		OK
12	PB107572BL	PB107572BL	MB	03/22/18 15:52		OK
13	PB107572BS	PB107572BS	LCS	03/22/18 15:52		OK
14	J1991-01	WES-0-6	SAM	03/22/18 15:52		OK
15	J1991-01DUP	WES-0-6DUP	DUP	03/22/18 15:52		OK
16	J1991-01MS	WES-0-6MS	MS	03/22/18 15:52		OK
17	J1991-01MSD	WES-0-6MSD	MSD	03/22/18 15:52		OK
18	J1991-02	WES-6-12	SAM	03/22/18 15:52		OK
19	J1993-01	TP-6-MH-A	SAM	03/22/18 16:00		OK
20	J1995-01	PIT-A-0-5	SAM	03/22/18 16:00		OK
21	J1995-05	PIT-A-0-10	SAM	03/22/18 16:00		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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CRI Standard	N/A					
LCS Standard	WP62802					
Chk Standard	WP62916,WP59958,WP60878					
22	CCV2	CCV2	CCV	03/22/18 16:00		OK
23	CCB2	CCB2	CCB	03/22/18 16:00		OK
24	J1997-01	DGA-TOP-LAYER-1-	SAM	03/22/18 16:00		OK
25	J1997-09	DGA-TOP-LAYER-1-	SAM	03/22/18 16:00		OK
26	J1997-17	SLAB-CONCRETE-A	SAM	03/22/18 16:00		OK
27	J1997-25	SLAB-CONCRETE-B	SAM	03/22/18 16:00		OK
28	J1997-33	CINDER-BLOCK	SAM	03/22/18 16:00		OK
29	CCV3	CCV3	CCV	03/22/18 16:00		OK
30	CCB3	CCB3	CCB	03/22/18 16:02		OK



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Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	WES-0-6	SDG No.:	LB94083
Lab Sample ID:	J1991-01	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	-0.0047	U	1	0.043		0.33	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	WES-6-12	SDG No.:	LB94083
Lab Sample ID:	J1991-02	Matrix:	Solid
Level (low/med):	low	% Solid:	80.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.072	J	1	0.041		0.31	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	TP-6-MH-A	SDG No.:	LB94083
Lab Sample ID:	J1993-01	Matrix:	Solid
Level (low/med):	low	% Solid:	79.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.021	U	1	0.04		0.31	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	PIT-A-0-5	SDG No.:	LB94083
Lab Sample ID:	J1995-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.013	U	1	0.037		0.28	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	PIT-A-0-10	SDG No.:	LB94083
Lab Sample ID:	J1995-05	Matrix:	Solid
Level (low/med):	low	% Solid:	86.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.017	U	1	0.036		0.28	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	DGA-TOP-LAYER-1-A	SDG No.:	LB94083
Lab Sample ID:	J1997-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.031	U	1	0.035		0.26	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	DGA-TOP-LAYER-1-B	SDG No.:	LB94083
Lab Sample ID:	J1997-09	Matrix:	Solid
Level (low/med):	low	% Solid:	85.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.028	U	1	0.038		0.29	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	SLAB-CONCRETE-A	SDG No.:	LB94083
Lab Sample ID:	J1997-17	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	-0.0063	U	1	0.032		0.24	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	SLAB-CONCRETE-B	SDG No.:	LB94083
Lab Sample ID:	J1997-25	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	-0.01	U	1	0.033		0.25	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	CINDER-BLOCK	SDG No.:	LB94083
Lab Sample ID:	J1997-33	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	0.036	J	1	0.032		0.24	mg/Kg	03/22/2018	03/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94083	Date Received:	3/20/2018 12:00:00 AM
Client Sample ID:	CINDER-BLOCK	SDG No.:	LB94083
Lab Sample ID:	J1997-33	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: LB94083

SDG No.: LB94083

Contract: _____

Lab Code: CHEM

Case No.: LB94083

SAS No.: LB94083

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	0.097	0.099	98		85 - 115		03/22/2018	15:52	LB94083



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94083

SDG No.: LB94083

Contract: _____ Lab Code: CHEM

Case No.: LB94083

SAS No.: LB94083

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		03/22/2018	15:52	LB94083
CCV2	Cyanide	0.25	0.25	100		90 - 110		03/22/2018	16:00	LB94083
CCV3	Cyanide	0.24	0.25	96		90 - 110		03/22/2018	16:00	LB94083



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94083 **SDG No.:** LB94083
Contract: **Lab Code:** CHEM **Case No.:** LB94083 **SAS No.:** LB94083

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00047	+/-0.005	U		0.005		03/22/2018	15:52	LB94083

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00052	+/-0.005	U		0.005		03/22/2018	15:52	LB94083
CCB2	Cyanide	-0.00041	+/-0.005	U		0.005		03/22/2018	16:00	LB94083
CCB3	Cyanide	-0.00086	+/-0.005	U		0.005		03/22/2018	16:02	LB94083



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94083

SDG No.: LB94083

Contract: Lab Code: CHEM

Case No.: LB94083

SAS No.: LB94083

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: LB94083

SDG No.: LB94083

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
PB107572BL	Cyanide	SOLID -0.02	<0.25	Batch Number: U		PB107572 0.25		Prep Date: 03/22/2018	03/22/2018 15:52	LB94083



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94083 level: low sdg no.: LB94083
contract: lab code: CHEM case no.: LB94083 sas no.: LB94083
matrix: Solid sample id: J1991-01 client id: WES-0-6MS
Percent Solids for Sample: 75.1 Spiked ID: J1991-01MS Percent Solids for Spike Sample: 75.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.4		0.043	U	2.6	53.8	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94083 level: low sdg no.: LB94083
contract: lab code: CHEM case no.: LB94083 sas no.: LB94083
matrix: Solid sample id: J1991-01 client id: WES-0-6MSD
Percent Solids for Sample: 75.1 Spiked ID: J1991-01MSD Percent Solids for Spike Sample: 75.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.4		0.043	U	2.6	53.8	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94083 **Level:** LOW **SDG No.:** LB94083
Contract: **Lab Code:** CHEM **Case No.:** LB94083 **SAS No.:** LB94083
Matrix: Solid **Sample ID:** J1991-01 **Client ID:** WES-0-6DUP
Percent Solids for Sample: 75.1 **Duplicate ID** J1991-01DUP **Percent Solids for Spike Sample:** 75.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.043	U	-0.014	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94083 **Level:** LOW **SDG No.:** LB94083
Contract: **Lab Code:** CHEM **Case No.:** LB94083 **SAS No.:** LB94083
Matrix: Solid **Sample ID:** J1991-01MS **Client ID:** WES-0-6MSD
Percent Solids for Sample: 75.1 **Duplicate ID** J1991-01MSD **Percent Solids for Spike Sample:** 75.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.4		1.4		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94083

SDG No.: LB94083

Contract:

Lab Code: CHEM

Case No.: LB94083

SAS No.: LB94083

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107572BS Cyanide	mg/Kg	4.8	4.7		97.9	85 - 115	