

Daily Analysis Runlog For Sequence/QC Batch ID # LB96208

Review By		Review On				
SubDirectory		LB96208		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65503,WP65504,WP65505,WP65506,WP65507,WP65508,WP65509				
ICV Standard		W1542				
CCV Standard		WP65510				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65512,WP64695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/22/18 09:03		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/22/18 09:03		OK
3	10PPBCN	10PPBCN	CAL3	06/22/18 09:03		OK
4	50PPBCN	50PPBCN	CAL4	06/22/18 09:03		OK
5	100PPBCN	100PPBCN	CAL5	06/22/18 09:03		OK
6	250PPBCN	250PPBCN	CAL6	06/22/18 09:03		OK
7	500PPBCN	500PPBCN	CAL7	06/22/18 09:03		OK
8	ICV1	ICV1	ICV	06/22/18 09:45		OK
9	ICB1	ICB1	ICB	06/22/18 09:45		OK
10	CCV1	CCV1	CCV	06/22/18 09:45		OK
11	CCB1	CCB1	CCB	06/22/18 09:45		OK
12	PB110481BL	PB110481BL	MB	06/22/18 09:45		OK
13	PB110481BS	PB110481BS	LCS	06/22/18 09:45		OK
14	LOWPB110481	LOWPB110481	SAM	06/22/18 09:45		OK
15	HIGHPB110481	HIGHPB110481	SAM	06/22/18 09:45		OK
16	J3629-01	A0C2-01	SAM	06/22/18 09:45		OK
17	J3629-01DUP	A0C2-01DUP	DUP	06/22/18 09:45		OK
18	J3629-01MS	A0C2-01MS	MS	06/22/18 09:45		OK
19	J3629-01MSD	A0C2-01MSD	MSD	06/22/18 09:52		OK
20	J3629-02	A0C2-02	SAM	06/22/18 09:52		OK
21	J3629-05	A0C3-01	SAM	06/22/18 09:52		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB96208

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SubDirectory		LB96208		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65503,WP65504,WP65505,WP65506,WP65507,WP65508,WP65509				
ICV Standard		W1542				
CCV Standard		WP65510				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65512,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/22/18 09:52		OK
23	CCB2	CCB2	CCB	06/22/18 09:52		OK
24	J3629-06	A0C10-01	SAM	06/22/18 09:52		OK
25	J3629-07	A0C10-02	SAM	06/22/18 09:53		OK
26	J3629-08	A0C10-03	SAM	06/22/18 09:53		OK
27	J3629-09	A0C10-04	SAM	06/22/18 09:53		OK
28	J3629-13	A0C14-01	SAM	06/22/18 09:53		OK
29	J3629-14	A0C14-02	SAM	06/22/18 09:53		OK
30	J3629-15	A0C22-01	SAM	06/22/18 09:57		OK
31	J3629-16	A0C22-02	SAM	06/22/18 09:57		OK
32	CCV3	CCV3	CCV	06/22/18 09:57		OK
33	CCB3	CCB3	CCB	06/22/18 09:57		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB96208	Date Received:	
Client Sample ID:	HIGHPB110481	SDG No.:	LB96208
Lab Sample ID:	HIGHPB110481	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		06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C2-01	SDG No.:	LB96208
Lab Sample ID:	J3629-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.046	J	1	0.039		0.29	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C2-02	SDG No.:	LB96208
Lab Sample ID:	J3629-02	Matrix:	Solid
Level (low/med):	low	% Solid:	80.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.027	U	1	0.04		0.3	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C3-01	SDG No.:	LB96208
Lab Sample ID:	J3629-05	Matrix:	Solid
Level (low/med):	low	% Solid:	96.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.07	J	1	0.034		0.26	mg/Kg	06/21/2018	06/22/2018	9012B

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C10-01	SDG No.:	LB96208
Lab Sample ID:	J3629-06	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	0.065	J	1	0.039		0.29	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C10-02	SDG No.:	LB96208
Lab Sample ID:	J3629-07	Matrix:	Solid
Level (low/med):	low	% Solid:	95.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.034		0.25	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C10-03	SDG No.:	LB96208
Lab Sample ID:	J3629-08	Matrix:	Solid
Level (low/med):	low	% Solid:	93.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.033	U	1	0.034		0.26	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C10-04	SDG No.:	LB96208
Lab Sample ID:	J3629-09	Matrix:	Solid
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.035	J	1	0.034		0.26	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C14-01	SDG No.:	LB96208
Lab Sample ID:	J3629-13	Matrix:	Solid
Level (low/med):	low	% Solid:	91.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.21	J	1	0.035		0.27	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C14-02	SDG No.:	LB96208
Lab Sample ID:	J3629-14	Matrix:	Solid
Level (low/med):	low	% Solid:	95.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.055	J	1	0.033		0.25	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C22-01	SDG No.:	LB96208
Lab Sample ID:	J3629-15	Matrix:	Solid
Level (low/med):	low	% Solid:	86.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.037		0.28	mg/Kg	06/21/2018	06/22/2018	9012B

Report of Analysis

Client:		Date Collected:	6/18/2018 12:00:00 AM
Project:	LB96208	Date Received:	6/20/2018 12:00:00 AM
Client Sample ID:	A0C22-02	SDG No.:	LB96208
Lab Sample ID:	J3629-16	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.24	J	1	0.035		0.27	mg/Kg	06/21/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB96208	Date Received:	
Client Sample ID:	LOWPB110481	SDG No.:	LB96208
Lab Sample ID:	LOWPB110481	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	0.011		1	0.003		0.005	mg/L		06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB96208	Date Received:	
Client Sample ID:	LOWPB110481	SDG No.:	LB96208
Lab Sample ID:	LOWPB110481	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: LB96208

SDG No.: LB96208

Contract: _____

Lab Code: CHEM

Case No.: LB96208

SAS No.: LB96208

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	0.099	0.099	100		85 - 115		06/22/2018	09:45	lb96208



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96208

SDG No.: LB96208

Contract: _____ Lab Code: CHEM

Case No.: LB96208

SAS No.: LB96208

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		06/22/2018	09:45	lb96208
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/22/2018	09:52	lb96208
CCV3	Cyanide	0.26	0.25	104		90 - 110		06/22/2018	09:57	lb96208

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0	+/-0.005	U		0.005		06/22/2018	09:45	lb96208

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00041	+/-0.005	U		0.005		06/22/2018	09:45	lb96208
CCB2	Cyanide	0.0001	+/-0.005	U		0.005		06/22/2018	09:52	lb96208
CCB3	Cyanide	0.00078	+/-0.005	U		0.005		06/22/2018	09:57	lb96208



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96208

SDG No.: LB96208

Contract: Lab Code: CHEM

Case No.: LB96208

SAS No.: LB96208

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: LB96208

SDG No.: LB96208

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
PB110481BL	Cyanide	SOLID 0.01	<0.24	Batch Number: U		PB110481 0.24		Prep Date: 06/22/2018	06/21/2018 09:45	lb96208



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB96208 level: low sdg no.: LB96208
contract: lab code: CHEM case no.: LB96208 sas no.: LB96208
matrix: Solid sample id: J3629-01 client id: A0C2-01MS
Percent Solids for Sample: 81.2 Spiked ID: J3629-01MS Percent Solids for Spike Sample: 81.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.046	J	2.4	73	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB96208 level: low sdg no.: LB96208
contract: lab code: CHEM case no.: LB96208 sas no.: LB96208
matrix: Solid sample id: J3629-01 client id: A0C2-01MSD
Percent Solids for Sample: 81.2 Spiked ID: J3629-01MSD Percent Solids for Spike Sample: 81.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.046	J	2.4	73	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB96208 **Level:** LOW **SDG No.:** LB96208
Contract: **Lab Code:** CHEM **Case No.:** LB96208 **SAS No.:** LB96208
Matrix: Solid **Sample ID:** J3629-01 **Client ID:** A0C2-01DUP
Percent Solids for Sample: 81.2 **Duplicate ID** J3629-01DUP **Percent Solids for Spike Sample:** 81.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.046	J	0.012	U	200.0	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB96208 **Level:** LOW **SDG No.:** LB96208
Contract: **Lab Code:** CHEM **Case No.:** LB96208 **SAS No.:** LB96208
Matrix: Solid **Sample ID:** J3629-01MS **Client ID:** A0C2-01MSD
Percent Solids for Sample: 81.2 **Duplicate ID** J3629-01MSD **Percent Solids for Spike Sample:** 81.2

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: LB96208

SDG No.: LB96208

Contract:

Lab Code: CHEM

Case No.: LB96208

SAS No.: LB96208

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB110481BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	