

Daily Analysis Runlog For Sequence/QC Batch ID # LB92681

Review By		Review On				
SubDirectory		LB92681		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61060,WP61061,WP61062,WP61063,WP61064,WP61065,WP61066				
ICV Standard		W1541				
CCV Standard		WP61067				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61069,WP59958,WP60878				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/18/18 09:18		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/18/18 09:18		OK
3	10PPBCN	10PPBCN	CAL3	01/18/18 09:18		OK
4	50PPBCN	50PPBCN	CAL4	01/18/18 09:18		OK
5	100PPBCN	100PPBCN	CAL5	01/18/18 09:18		OK
6	250PPBCN	250PPBCN	CAL6	01/18/18 09:18		OK
7	500PPBCN	500PPBCN	CAL7	01/18/18 09:18		OK
8	ICV1	ICV1	ICV	01/18/18 09:49		OK
9	ICB1	ICB1	ICB	01/18/18 09:49		OK
10	CCV1	CCV1	CCV	01/18/18 09:50		OK
11	CCB1	CCB1	CCB	01/18/18 09:50		OK
12	PB105731BL	PB105731BL	MB	01/18/18 09:50		OK
13	PB105731BS	PB105731BS	LCS	01/18/18 09:50		OK
14	LOWPB105731	LOWPB105731	SAM	01/18/18 09:50		OK
15	HIGHPB105731	HIGHPB105731	SAM	01/18/18 10:14		OK
16	J1165-01	19A-4	SAM	01/18/18 10:14		OK
17	J1165-01DUP	19A-4DUP	DUP	01/18/18 10:14		OK
18	J1165-01MS	19A-4MS	MS	01/18/18 10:14		OK
19	J1165-01MSD	19A-4MSD	MSD	01/18/18 10:14		OK
20	J1165-02	19B-4	SAM	01/18/18 10:14		OK
21	J1166-01	2A-15	SAM	01/18/18 10:14		OK

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

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ICV Standard	W1541					
CCV Standard	WP61067					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	WP58910					
Chk Standard	WP61069,WP59958,WP60878					
22	CCV2	CCV2	CCV	01/18/18 10:14		OK
23	CCB2	CCB2	CCB	01/18/18 10:14		OK
24	J1166-02	18A-11	SAM	01/18/18 11:01		OK
25	MDL-SOIL-01	MDL-SOIL-01	SAM	01/18/18 11:01		OK
26	MDL-SOIL-02	MDL-SOIL-02	SAM	01/18/18 11:01		OK
27	MDL-SOIL-03	MDL-SOIL-03	SAM	01/18/18 11:01		OK
28	CCV3	CCV3	CCV	01/18/18 11:01		OK
29	CCB3	CCB3	CCB	01/18/18 11:01		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB92681	Date Received:	
Client Sample ID:	HIGHPB105731	SDG No.:	LB92681
Lab Sample ID:	HIGHPB105731	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		01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92681	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	19A-4	SDG No.:	LB92681
Lab Sample ID:	J1165-01	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	0.12	J	1	0.037		0.28	mg/Kg	01/17/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92681	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	19B-4	SDG No.:	LB92681
Lab Sample ID:	J1165-02	Matrix:	Solid
Level (low/med):	low	% Solid:	83.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.08	J	1	0.038		0.29	mg/Kg	01/17/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/15/2018 12:00:00 AM
Project:	LB92681	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	2A-15	SDG No.:	LB92681
Lab Sample ID:	J1166-01	Matrix:	Solid
Level (low/med):	low	% Solid:	82.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.063	J	1	0.039		0.3	mg/Kg	01/17/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/15/2018 12:00:00 AM
Project:	LB92681	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	18A-11	SDG No.:	LB92681
Lab Sample ID:	J1166-02	Matrix:	Solid
Level (low/med):	low	% Solid:	84.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.32		1	0.037		0.28	mg/Kg	01/17/2018	01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92681	Date Received:	
Client Sample ID:	LOWPB105731	SDG No.:	LB92681
Lab Sample ID:	LOWPB105731	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	0.0099		1	0.003		0.005	mg/L		01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92681	Date Received:	
Client Sample ID:	MDL-SOIL-01	SDG No.:	LB92681
Lab Sample ID:	MDL-SOIL-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	0.00073	J	1	0.00066		0.005	mg/Kg		01/18/2018	9012B

Report of Analysis

Client:		Date Collected:	
Project:	LB92681	Date Received:	
Client Sample ID:	MDL-SOIL-02	SDG No.:	LB92681
Lab Sample ID:	MDL-SOIL-02	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	0.0009	J	1	0.00066		0.005	mg/Kg		01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92681	Date Received:	
Client Sample ID:	MDL-SOIL-03	SDG No.:	LB92681
Lab Sample ID:	MDL-SOIL-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	0.00095	J	1	0.00066		0.005	mg/Kg		01/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92681	Date Received:	
Client Sample ID:	MDL-SOIL-03	SDG No.:	LB92681
Lab Sample ID:	MDL-SOIL-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.
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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: LB92681

SDG No.: LB92681

Contract: _____

Lab Code: CHEM

Case No.: LB92681

SAS No.: LB92681

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Cyanide	0.096	0.099	97	0	85 - 115		01/18/2018	09:49	LB92681



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92681

SDG No.: LB92681

Contract: _____ Lab Code: CHEM

Case No.: LB92681

SAS No.: LB92681

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Cyanide	0.24	0.25	96	0	90 - 110		01/18/2018	09:50	LB92681
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		01/18/2018	10:14	LB92681
CCV3	Cyanide	0.26	0.25	104	0	90 - 110		01/18/2018	11:01	LB92681



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92681 **SDG No.:** LB92681
Contract: **Lab Code:** CHEM **Case No.:** LB92681 **SAS No.:** LB92681

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00071	+/-0.005	U		0.005		01/18/2018	09:49	LB92681



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92681

SDG No.: LB92681

Contract:

Lab Code: CHEM

Case No.: LB92681

SAS No.: LB92681

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00049	+/-0.005	U		0.005		01/18/2018	09:50	LB92681
CCB2	Cyanide	0.00077	+/-0.005	U		0.005		01/18/2018	10:14	LB92681
CCB3	Cyanide	0.0013	+/-0.005	U		0.005		01/18/2018	11:01	LB92681



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92681

SDG No.: LB92681

Contract: Lab Code: CHEM

Case No.: LB92681

SAS No.: LB92681

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: LB92681

SDG No.: LB92681

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
PB105731BL		SOLID		Batch Number:		PB105731		Prep Date:	01/17/2018	
	Cyanide	0.028	<0.24	U		0.24		01/18/2018	09:50	LB92681



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92681 level: low sdg no.: LB92681
contract: lab code: CHEM case no.: LB92681 sas no.: LB92681
matrix: Solid sample id: J1165-01 client id: 19A-4MS
Percent Solids for Sample: 87.5 Spiked ID: J1165-01MS Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.3		0.12	J	2.2	54	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92681 level: low sdg no.: LB92681
contract: lab code: CHEM case no.: LB92681 sas no.: LB92681
matrix: Solid sample id: J1165-01 client id: 19A-4MSD
Percent Solids for Sample: 87.5 Spiked ID: J1165-01MSD Percent Solids for Spike Sample: 87.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.4		0.12	J	2.2	58	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92681 **Level:** LOW **SDG No.:** LB92681
Contract: **Lab Code:** CHEM **Case No.:** LB92681 **SAS No.:** LB92681
Matrix: Solid **Sample ID:** J1165-01 **Client ID:** 19A-4DUP
Percent Solids for Sample: 87.5 **Duplicate ID** J1165-01DUP **Percent Solids for Spike Sample:** 87.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.12	J	0.1	J	18		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92681 **Level:** LOW **SDG No.:** LB92681
Contract: **Lab Code:** CHEM **Case No.:** LB92681 **SAS No.:** LB92681
Matrix: Solid **Sample ID:** J1165-01MS **Client ID:** 19A-4MSD
Percent Solids for Sample: 87.5 **Duplicate ID** J1165-01MSD **Percent Solids for Spike Sample:** 87.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.3		1.4		7		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92681

SDG No.: LB92681

Contract:

Lab Code: CHEM

Case No.: LB92681

SAS No.: LB92681

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105731BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	