

Daily Analysis Runlog For Sequence/QC Batch ID # LB85925

Review By		Review On				
SubDirectory		LB85925		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP53031,WP53032,WP53033,WP53034,WP53035,WP53036,WP53037,WP53038				
ICV Standard		W1540				
CCV Standard		WP53039				
ICSA Standard						
CRI Standard						
LCS Standard		WP51099				
Chk Standard		WP53026,WP51626,WP51276				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/20/17 09:33		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/20/17 09:33		OK
3	10PPBCN	10PPBCN	CAL3	02/20/17 09:33		OK
4	50PPBCN	50PPBCN	CAL4	02/20/17 09:33		OK
5	100PPBCN	100PPBCN	CAL5	02/20/17 09:33		OK
6	250PPBCN	250PPBCN	CAL6	02/20/17 09:33		OK
7	500PPBCN	500PPBCN	CAL7	02/20/17 09:33		OK
8	ICV1	ICV1	ICV	02/20/17 12:47		OK
9	ICB1	ICB1	ICB	02/20/17 12:47		OK
10	CCV1	CCV1	CCV	02/20/17 12:47		OK
11	CCB1	CCB1	CCB	02/20/17 12:47		OK
12	PB97046BL	PB97046BL	MB	02/20/17 12:47		OK
13	PB97046BS	PB97046BS	LCS	02/20/17 12:47		OK
14	LOWPB97046	LOWPB97046	SAM	02/20/17 12:47		OK
15	HIGHPB97046	HIGHPB97046	SAM	02/20/17 12:47		OK
16	I1884-01	PIT-A-COMP	SAM	02/20/17 12:47		OK
17	I1884-01DUP	PIT-A-COMPDUP	DUP	02/20/17 12:47		OK
18	I1884-01MS	PIT-A-COMPMS	MS	02/20/17 12:55		OK
19	I1884-01MSD	PIT-A-COMPMSD	MSD	02/20/17 12:55		OK
20	I1884-04	PIT-B-COMP	SAM	02/20/17 12:55		OK
21	I1884-07	PIT-C-COMP	SAM	02/20/17 12:55		OK

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

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SubDirectory		LB85925		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP53031,WP53032,WP53033,WP53034,WP53035,WP53036,WP53037,WP53038				
ICV Standard						
CCV Standard						
ICSA Standard						
CRI Standard						
LCS Standard		WP51099				
Chk Standard		WP53026,WP51626,WP51276				
22	CCV2	CCV2	CCV	02/20/17 12:55		OK
23	CCB2	CCB2	CCB	02/20/17 12:55		OK
24	I1884-10	PIT-D-COMP	SAM	02/20/17 12:55		OK
25	I1892-05	TP22-COMP16	SAM	02/20/17 12:55		OK
26	I1913-01	SP-ABCD-COMP	SAM	02/20/17 12:55		OK
27	I1913-06	SP-EFGH-COMP	SAM	02/20/17 12:55		OK
28	CCV3	CCV3	CCV	02/20/17 12:55		OK
29	CCB3	CCB3	CCB	02/20/17 13:00		OK



Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB85925

SDG No.: LB85925

Contract: _____ **Lab Code:** CHEM

Case No.: LB85925

SAS No.: LB85925

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	0.093	0.099	93.9	0	85 - 115		02/20/2017	12:47	LB85925

Metals**- 2a -****INITIAL AND CONTINUING CALIBRATION VERIFICATION****Client:** LB85925**SDG No.:** LB85925**Contract:** _____ **Lab Code:** CHEM**Case No.:** LB85925**SAS No.:** LB85925**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		02/20/2017	12:47	LB85925
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		02/20/2017	12:55	LB85925
CCV3	Cyanide	0.24	0.25	96	0	90 - 110		02/20/2017	12:55	LB85925



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85925

SDG No.: LB85925

Contract: _____

Lab Code: CHEM

Case No.: LB85925

SAS No.: LB85925

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00044	+/-0.005	U		0.005		02/20/2017	12:47	LB85925



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85925

SDG No.: LB85925

Contract:

Lab Code: CHEM

Case No.: LB85925

SAS No.: LB85925

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00066	+/-0.005	U		0.005		02/20/2017	12:47	LB85925
CCB2	Cyanide	-0.00075	+/-0.005	U		0.005		02/20/2017	12:55	LB85925
CCB3	Cyanide	-0.0012	+/-0.005	U		0.005		02/20/2017	13:00	LB85925



Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85925

SDG No.: LB85925

Contract: Lab Code: CHEM

Case No.: LB85925

SAS No.: LB85925

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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Report of Analysis

Client:		Date Collected:	
Project:	LB85925	Date Received:	
Client Sample ID:	HIGHPB97046	SDG No.:	LB85925
Lab Sample ID:	HIGHPB97046	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		02/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2017 12:00:00 AM
Project:	LB85925	Date Received:	2/16/2017 12:00:00 AM
Client Sample ID:	PIT-A-COMP	SDG No.:	LB85925
Lab Sample ID:	I1884-01	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	-0.057	U	1	0.041		0.31	mg/Kg	02/20/2017	02/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2017 12:00:00 AM
Project:	LB85925	Date Received:	2/16/2017 12:00:00 AM
Client Sample ID:	PIT-B-COMP	SDG No.:	LB85925
Lab Sample ID:	I1884-04	Matrix:	Solid
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.054	J	1	0.037		0.28	mg/Kg	02/20/2017	02/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2017 12:00:00 AM
Project:	LB85925	Date Received:	2/16/2017 12:00:00 AM
Client Sample ID:	PIT-C-COMP	SDG No.:	LB85925
Lab Sample ID:	I1884-07	Matrix:	Solid
Level (low/med):	low	% Solid:	86.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.026	U	1	0.038		0.29	mg/Kg	02/20/2017	02/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2017 12:00:00 AM
Project:	LB85925	Date Received:	2/16/2017 12:00:00 AM
Client Sample ID:	PIT-D-COMP	SDG No.:	LB85925
Lab Sample ID:	I1884-10	Matrix:	Solid
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.032	U	1	0.037		0.28	mg/Kg	02/20/2017	02/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	2/17/2017 12:00:00 AM
Project:	LB85925	Date Received:	2/17/2017 12:00:00 AM
Client Sample ID:	TP22-COMP16	SDG No.:	LB85925
Lab Sample ID:	I1892-05	Matrix:	Solid
Level (low/med):	low	% Solid:	82.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.37		1	0.038		0.29	mg/Kg	02/20/2017	02/20/2017	9012B

Report of Analysis

Client:		Date Collected:	2/17/2017 12:00:00 AM
Project:	LB85925	Date Received:	2/17/2017 12:00:00 AM
Client Sample ID:	SP-ABCD-COMP	SDG No.:	LB85925
Lab Sample ID:	I1913-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.019	U	1	0.038		0.29	mg/Kg	02/20/2017	02/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	2/17/2017 12:00:00 AM
Project:	LB85925	Date Received:	2/17/2017 12:00:00 AM
Client Sample ID:	SP-EFGH-COMP	SDG No.:	LB85925
Lab Sample ID:	I1913-06	Matrix:	Solid
Level (low/med):	low	% Solid:	86.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.02	U	1	0.037		0.28	mg/Kg	02/20/2017	02/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB85925	Date Received:	
Client Sample ID:	LOWPB97046	SDG No.:	LB85925
Lab Sample ID:	LOWPB97046	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	0.0095		1	0.003		0.005	mg/L		02/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB85925	Date Received:	
Client Sample ID:	LOWPB97046	SDG No.:	LB85925
Lab Sample ID:	LOWPB97046	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



Metals
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PREPARATION BLANK SUMMARY

Client: LB85925

SDG No.: LB85925

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
PB97046BL		SOLID		Batch Number:		PB97046		Prep Date:	02/20/2017	
	Cyanide	0.045	<0.25	J		0.25		02/20/2017	12:47	LB85925



metals
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MATRIX SPIKE SUMMARY

client: LB85925 level: low sdg no.: LB85925
contract: lab code: CHEM case no.: LB85925 sas no.: LB85925
matrix: Solid sample id: I1884-01 client id: PIT-A-COMPMS
Percent Solids for Sample: 79.9 Spiked ID: I1884-01MS Percent Solids for Spike Sample: 79.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.041	U	2.5	84		



metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: LB85925 level: low sdg no.: LB85925
contract: lab code: CHEM case no.: LB85925 sas no.: LB85925
matrix: Solid sample id: I1884-01 client id: PIT-A-COMPMSD
Percent Solids for Sample: 79.9 Spiked ID: I1884-01MSD Percent Solids for Spike Sample: 79.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.2		0.041		2.5	88		

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB85925 **Level:** LOW **SDG No.:** LB85925
Contract: **Lab Code:** CHEM **Case No.:** LB85925 **SAS No.:** LB85925
Matrix: Solid **Sample ID:** I1884-01 **Client ID:** PIT-A-COMPDUP
Percent Solids for Sample: 79.9 **Duplicate ID** I1884-01DUP **Percent Solids for Spike Sample:** 79.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.041	U	-0.079	U			

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB85925 **Level:** LOW **SDG No.:** LB85925
Contract: **Lab Code:** CHEM **Case No.:** LB85925 **SAS No.:** LB85925
Matrix: Solid **Sample ID:** I1884-01MS **Client ID:** PIT-A-COMPMSD
Percent Solids for Sample: 79.9 **Duplicate ID** I1884-01MSD **Percent Solids for Spike Sample:** 79.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.1	U	2.2		200.0		



Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB85925

SDG No.: LB85925

Contract:

Lab Code: CHEM

Case No.: LB85925

SAS No.: LB85925

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB97046BS Cyanide	mg/Kg	5	4.9		98	85 - 115	