

Daily Analysis Runlog For Sequence/QC Batch ID # LB89517

Review By		Review On				
SubDirectory		LB89517		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP57276,WP57277,WP57278,WP57278,WP57279,WP57280,WP57281,WP57282,WP57283				
ICV Standard		WP57286				
CCV Standard		WP57285				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57284,WP55355,WP55836				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/16/17 08:49		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/16/17 08:49		OK
3	10PPBCN	10PPBCN	CAL3	08/16/17 08:49		OK
4	50PPBCN	50PPBCN	CAL4	08/16/17 08:49		OK
5	100PPBCN	100PPBCN	CAL5	08/16/17 08:49		OK
6	250PPBCN	250PPBCN	CAL6	08/16/17 08:49		OK
7	500PPBCN	500PPBCN	CAL7	08/16/17 08:49		OK
8	ICV1	ICV1	ICV	08/16/17 09:21		OK
9	ICB1	ICB1	ICB	08/16/17 09:21		OK
10	CCV1	CCV1	CCV	08/16/17 09:21		OK
11	CCB1	CCB1	CCB	08/16/17 09:21		OK
12	PB101555BL	PB101555BL	MB	08/16/17 09:21		OK
13	PB101555BS	PB101555BS	LCS	08/16/17 09:21		OK
14	LOWPB101555	LOWPB101555	SAM	08/16/17 09:21		OK
15	HIGHPB101555	HIGHPB101555	SAM	08/16/17 09:21		OK
16	I4793-01	EO-02-081417-A	SAM	08/16/17 09:21		OK
17	I4793-01DUP	EO-02-081417-ADUP	DUP	08/16/17 09:21		OK
18	I4793-01MS	EO-02-081417-AMS	MS	08/16/17 09:21		OK
19	I4793-01MSD	EO-02-081417-AMSD	MSD	08/16/17 09:29		OK
20	I4793-04	EO-02-081417-B	SAM	08/16/17 09:29		OK
21	I4793-07	EO-02-081417-C	SAM	08/16/17 09:29		OK

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

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ICV Standard		WP57286				
CCV Standard		WP57285				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57284,WP55355,WP55836				
22	CCV2	CCV2	CCV	08/16/17 09:29		OK
23	CCB2	CCB2	CCB	08/16/17 09:29		OK
24	I4795-01	SP-1-COMP	SAM	08/16/17 09:29		OK
25	I4798-04	DRUM-1-6-COMP	SAM	08/16/17 09:29		OK
26	CCV3	CCV3	CCV	08/16/17 09:29		OK
27	CCB3	CCB3	CCB	08/16/17 09:29		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB89517	Date Received:	
Client Sample ID:	HIGHPB101555	SDG No.:	LB89517
Lab Sample ID:	HIGHPB101555	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		08/16/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/14/2017 12:00:00 AM
Project:	LB89517	Date Received:	8/14/2017 12:00:00 AM
Client Sample ID:	EO-02-081417-A	SDG No.:	LB89517
Lab Sample ID:	I4793-01	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	0.14	J	1	0.034		0.25	mg/Kg	08/15/2017	08/16/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/14/2017 12:00:00 AM
Project:	LB89517	Date Received:	8/14/2017 12:00:00 AM
Client Sample ID:	EO-02-081417-B	SDG No.:	LB89517
Lab Sample ID:	I4793-04	Matrix:	Solid
Level (low/med):	low	% Solid:	96.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.036	J	1	0.033		0.25	mg/Kg	08/15/2017	08/16/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/14/2017 12:00:00 AM
Project:	LB89517	Date Received:	8/14/2017 12:00:00 AM
Client Sample ID:	EO-02-081417-C	SDG No.:	LB89517
Lab Sample ID:	I4793-07	Matrix:	Solid
Level (low/med):	low	% Solid:	92.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.058	J	1	0.034		0.26	mg/Kg	08/15/2017	08/16/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/14/2017 12:00:00 AM
Project:	LB89517	Date Received:	8/14/2017 12:00:00 AM
Client Sample ID:	SP-1-COMP	SDG No.:	LB89517
Lab Sample ID:	I4795-01	Matrix:	Solid
Level (low/med):	low	% Solid:	96.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.035	J	1	0.033		0.25	mg/Kg	08/15/2017	08/16/2017	9012B



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Report of Analysis

Client:		Date Collected:	8/14/2017 12:00:00 AM
Project:	LB89517	Date Received:	8/14/2017 12:00:00 AM
Client Sample ID:	DRUM-1-6-COMP	SDG No.:	LB89517
Lab Sample ID:	I4798-04	Matrix:	Solid
Level (low/med):	low	% Solid:	69.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.31	J	1	0.046		0.35	mg/Kg	08/15/2017	08/16/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89517	Date Received:	
Client Sample ID:	LOWPB101555	SDG No.:	LB89517
Lab Sample ID:	LOWPB101555	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		08/16/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB89517	Date Received:	
Client Sample ID:	LOWPB101555	SDG No.:	LB89517
Lab Sample ID:	LOWPB101555	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: LB89517

SDG No.: LB89517

Contract: _____ Lab Code: CHEM

Case No.: LB89517

SAS No.: LB89517

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	0.097	0.099	98	0	85 - 115		08/16/2017	09:21	LB89517



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89517

SDG No.: LB89517

Contract: _____ Lab Code: CHEM

Case No.: LB89517

SAS No.: LB89517

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		08/16/2017	09:21	LB89517
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		08/16/2017	09:29	LB89517
CCV3	Cyanide	0.24	0.25	96	0	90 - 110		08/16/2017	09:29	LB89517



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89517 **SDG No.:** LB89517
Contract: **Lab Code:** CHEM **Case No.:** LB89517 **SAS No.:** LB89517

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00078	+/-0.005	U		0.005		08/16/2017	09:21	LB89517

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00062	+/-0.005	U		0.005		08/16/2017	09:21	LB89517
CCB2	Cyanide	0.00077	+/-0.005	U		0.005		08/16/2017	09:29	LB89517
CCB3	Cyanide	0.00031	+/-0.005	U		0.005		08/16/2017	09:29	LB89517



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89517

SDG No.: LB89517

Contract: Lab Code: CHEM

Case No.: LB89517

SAS No.: LB89517

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB89517

SDG No.: LB89517

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
PB101555BL		SOLID		Batch Number:		PB101555		Prep Date:	08/15/2017	
	Cyanide	0.036	<0.25	J		0.25		08/16/2017	09:21	LB89517



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- 5a -
MATRIX SPIKE SUMMARY

client: LB89517 level: low sdg no.: LB89517
contract: lab code: CHEM case no.: LB89517 sas no.: LB89517
matrix: Solid sample id: I4793-01 client id: EO-02-081417-AMS
Percent Solids for Sample: 95.5 Spiked ID: I4793-01MS Percent Solids for Spike Sample: 95.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.14	J	2.1	84		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89517 level: low sdg no.: LB89517
contract: lab code: CHEM case no.: LB89517 sas no.: LB89517
matrix: Solid sample id: I4793-01 client id: EO-02-081417-AMSD
Percent Solids for Sample: 95.5 Spiked ID: I4793-01MSD Percent Solids for Spike Sample: 95.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.14	J	2	88		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89517 **Level:** LOW **SDG No.:** LB89517
Contract: **Lab Code:** CHEM **Case No.:** LB89517 **SAS No.:** LB89517
Matrix: Solid **Sample ID:** I4793-01 **Client ID:** EO-02-081417-ADUP
Percent Solids for Sample: 95.5 **Duplicate ID** I4793-01DUP **Percent Solids for Spike Sample:** 95.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.14	J	0.12	J	15		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89517 **Level:** LOW **SDG No.:** LB89517
Contract: **Lab Code:** CHEM **Case No.:** LB89517 **SAS No.:** LB89517
Matrix: Solid **Sample ID:** I4793-01MS **Client ID:** EO-02-081417-AMSD
Percent Solids for Sample: 95.5 **Duplicate ID** I4793-01MSD **Percent Solids for Spike Sample:** 95.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.9		0		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89517

SDG No.: LB89517

Contract:

Lab Code: CHEM

Case No.: LB89517

SAS No.: LB89517

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101555BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	
