

Daily Analysis Runlog For Sequence/QC Batch ID # LB89362

Review By		Review On				
SubDirectory		LB89362		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP57113,WP57114,WP57115,WP57116,WP57117,WP57118,WP57119,WP57120				
ICV Standard		W1541				
CCV Standard		WP57100				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP57098,WP55355,WP55836				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	08/09/17 11:35		OK
2	5.0PPBCN	5.0PPBCN	CAL2	08/09/17 11:35		OK
3	10PPBCN	10PPBCN	CAL3	08/09/17 11:35		OK
4	50PPBCN	50PPBCN	CAL4	08/09/17 11:35		OK
5	100PPBCN	100PPBCN	CAL5	08/09/17 11:35		OK
6	250PPBCN	250PPBCN	CAL6	08/09/17 11:35		OK
7	500PPBCN	500PPBCN	CAL7	08/09/17 11:35		OK
8	ICV1	ICV1	ICV	08/09/17 12:11		OK
9	ICB1	ICB1	ICB	08/09/17 12:11		OK
10	CCV1	CCV1	CCV	08/09/17 12:38		OK
11	CCB1	CCB1	CCB	08/09/17 12:39		OK
12	PB101241BL	PB101241BL	MB	08/09/17 12:39		OK
13	PB101241BS	PB101241BS	LCS	08/09/17 12:39		OK
14	MIDPB101241	MIDPB101241	SAM	08/09/17 12:39		OK
15	I4573-01	EFF-WW	SAM	08/09/17 12:39		OK
16	I4573-01DUP	EFF-WWDUP	DUP	08/09/17 12:39		OK
17	I4573-01MS	EFF-WWMS	MS	08/09/17 12:39		OK
18	I4573-01MSD	EFF-WWMSD	MSD	08/09/17 12:39		OK
19	CCV2	CCV2	CCV	08/09/17 12:39		OK
20	CCB2	CCB2	CCB	08/09/17 12:39		OK



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Report of Analysis

Client:		Date Collected:	8/2/2017 12:00:00 AM
Project:	LB89362	Date Received:	8/2/2017 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	LB89362
Lab Sample ID:	I4573-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.00012	U	1	0.001		0.005	mg/L	08/03/2017	08/09/2017	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB89362	Date Received:	
Client Sample ID:	MIDPB101241	SDG No.:	LB89362
Lab Sample ID:	MIDPB101241	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.25		1	0.001		0.005	mg/L		08/09/2017	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB89362	Date Received:	
Client Sample ID:	MIDPB101241	SDG No.:	LB89362
Lab Sample ID:	MIDPB101241	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



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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89362

SDG No.: LB89362

Contract: _____ Lab Code: CHEM

Case No.: LB89362

SAS No.: LB89362

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		08/09/2017	12:38	LB89362
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		08/09/2017	12:39	LB89362



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89362 **SDG No.:** LB89362
Contract: **Lab Code:** CHEM **Case No.:** LB89362 **SAS No.:** LB89362

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		08/09/2017	12:11	LB89362



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89362		SDG No.: LB89362								
Contract:		Lab Code: CHEM		Case No.: LB89362			SAS No.: LB89362			
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0006	+/-0.005	U		0.005		08/09/2017	12:39	LB89362
CCB2	Cyanide	-0.00015	+/-0.005	U		0.005		08/09/2017	12:39	LB89362



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89362

SDG No.: LB89362

Contract: Lab Code: CHEM

Case No.: LB89362

SAS No.: LB89362

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

Client: LB89362

SDG No.: LB89362

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB101241BL	Cyanide	WATER -0.00051	<0.005	Batch Number: U		PB101241 0.005		Prep Date: 08/09/2017	08/03/2017 12:39	LB89362



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MATRIX SPIKE SUMMARY

client: LB89362 level: low sdg no.: LB89362
contract: lab code: CHEM case no.: LB89362 sas no.: LB89362
matrix: WATER sample id: I4573-01 client id: EFF-WWMS
Percent Solids for Sample: 0 Spiked ID: I4573-01MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.039		0.001	U	0.04	97.5		



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB89362 level: low sdg no.: LB89362
contract: lab code: CHEM case no.: LB89362 sas no.: LB89362
matrix: WATER sample id: I4573-01 client id: EFF-WWMSD
Percent Solids for Sample: 0 Spiked ID: I4573-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.039		0.001	U	0.04	97.5		

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DUPLICATE SAMPLE SUMMARY

Client: LB89362 **Level:** LOW **SDG No.:** LB89362
Contract: **Lab Code:** CHEM **Case No.:** LB89362 **SAS No.:** LB89362
Matrix: WATER **Sample ID:** I4573-01 **Client ID:** EFF-WWDUP
Percent Solids for Sample: 0 **Duplicate ID** I4573-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.001	U	-0.00045	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB89362 **Level:** LOW **SDG No.:** LB89362
Contract: **Lab Code:** CHEM **Case No.:** LB89362 **SAS No.:** LB89362
Matrix: WATER **Sample ID:** I4573-01MS **Client ID:** EFF-WWMSD
Percent Solids for Sample: 0 **Duplicate ID** I4573-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.039		0.039		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89362

SDG No.: LB89362

Contract:

Lab Code: CHEM

Case No.: LB89362

SAS No.: LB89362

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101241BS Cyanide	mg/L	0.1	0.097		97	85 - 115	