

Daily Analysis Runlog For Sequence/QC Batch ID # LB87368

Review By		Review On				
SubDirectory		LB87368		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP54826,WP54827,WP54828,WP54829,WP54830,WP54831,WP54832,WP54833				
ICV Standard		W1540				
CCV Standard		WP54835				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP54834,WP51626,WP51276				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/10/17 13:42		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/10/17 13:42		OK
3	10PPBCN	10PPBCN	CAL3	05/10/17 13:42		OK
4	50PPBCN	50PPBCN	CAL4	05/10/17 13:42		OK
5	100PPBCN	100PPBCN	CAL5	05/10/17 13:42		OK
6	250PPBCN	250PPBCN	CAL6	05/10/17 13:42		OK
7	500PPBCN	500PPBCN	CAL7	05/10/17 13:42		OK
8	ICV1	ICV1	ICV	05/10/17 14:17		OK
9	ICB1	ICB1	ICB	05/10/17 14:17		OK
10	CCV1	CCV1	CCV	05/10/17 14:17		OK
11	CCB1	CCB1	CCB	05/10/17 14:17		OK
12	PB98852BL	PB98852BL	MB	05/10/17 14:17		OK
13	PB98852BS	PB98852BS	LCS	05/10/17 14:17		OK
14	MIDPB98852	MIDPB98852	SAM	05/10/17 14:17		OK
15	I3055-01	EFF-WW	SAM	05/10/17 14:17		OK
16	I3055-01DUP	EFF-WWDUP	DUP	05/10/17 14:17		OK
17	I3055-01MS	EFF-WWMS	MS	05/10/17 14:17		OK
18	I3055-01MSD	EFF-WWMSD	MSD	05/10/17 14:17		OK
19	CCV2	CCV2	CCV	05/10/17 14:21		OK
20	CCB2	CCB2	CCB	05/10/17 14:21		OK



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Report of Analysis

Client:		Date Collected:	5/9/2017 12:00:00 AM
Project:	LB87368	Date Received:	5/9/2017 12:00:00 AM
Client Sample ID:	EFF-WW	SDG No.:	LB87368
Lab Sample ID:	I3055-01	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	-0.00068	U	1	0.001		0.005	mg/L	05/10/2017	05/10/2017	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB87368	Date Received:	
Client Sample ID:	MIDPB98852	SDG No.:	LB87368
Lab Sample ID:	MIDPB98852	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		05/10/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	
Project:	LB87368	Date Received:	
Client Sample ID:	MIDPB98852	SDG No.:	LB87368
Lab Sample ID:	MIDPB98852	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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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87368

SDG No.: LB87368

Contract: _____ Lab Code: CHEM

Case No.: LB87368

SAS No.: LB87368

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	0.25	0.25	100	0	90 - 110		05/10/2017	14:17	LB87368
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		05/10/2017	14:21	LB87368



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87368 **SDG No.:** LB87368
Contract: **Lab Code:** CHEM **Case No.:** LB87368 **SAS No.:** LB87368

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0013	+/-0.005	U		0.005		05/10/2017	14:17	LB87368

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0014	+/-0.005	U		0.005		05/10/2017	14:17	LB87368
CCB2	Cyanide	-0.0012	+/-0.005	U		0.005		05/10/2017	14:21	LB87368



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87368

SDG No.: LB87368

Contract: Lab Code: CHEM

Case No.: LB87368

SAS No.: LB87368

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: LB87368

SDG No.: LB87368

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
PB98852BL	Cyanide	WATER -0.00092	<0.005	Batch Number: U		PB98852 0.005		Prep Date: 05/10/2017	05/10/2017 14:17	LB87368



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- 5a -
MATRIX SPIKE SUMMARY

client: LB87368 level: low sdg no.: LB87368
contract: lab code: CHEM case no.: LB87368 sas no.: LB87368
matrix: WATER sample id: I3055-01 client id: EFF-WWMS
Percent Solids for Sample: 0 Spiked ID: I3055-01MS 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	0.028		0.001	U	0.04	70	*	



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB87368 level: low sdg no.: LB87368
contract: lab code: CHEM case no.: LB87368 sas no.: LB87368
matrix: WATER sample id: I3055-01 client id: EFF-WWMSD
Percent Solids for Sample: 0 Spiked ID: I3055-01MSD 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	0.028		0.001	U	0.04	70	*	

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB87368 **Level:** LOW **SDG No.:** LB87368
Contract: **Lab Code:** CHEM **Case No.:** LB87368 **SAS No.:** LB87368
Matrix: WATER **Sample ID:** I3055-01 **Client ID:** EFF-WWDUP
Percent Solids for Sample: 0 **Duplicate ID** I3055-01DUP **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	-0.00081	U			

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB87368 **Level:** LOW **SDG No.:** LB87368
Contract: **Lab Code:** CHEM **Case No.:** LB87368 **SAS No.:** LB87368
Matrix: WATER **Sample ID:** I3055-01MS **Client ID:** EFF-WWMSD
Percent Solids for Sample: 0 **Duplicate ID** I3055-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.028		0.028		0		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87368

SDG No.: LB87368

Contract:

Lab Code: CHEM

Case No.: LB87368

SAS No.: LB87368

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB98852BS Cyanide	mg/L	0.1	0.099		99	85 - 115	