

Daily Analysis Runlog For Sequence/QC Batch ID # LB95554

Review By		Review On				
SubDirectory		LB95554		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64725,WP64726,WP64727,WP64728,WP64729,WP64730,WP64731				
ICV Standard		W1542				
CCV Standard		WP64732				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64734,WP64695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/23/18 09:29		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/23/18 09:29		OK
3	10PPBCN	10PPBCN	CAL3	05/23/18 09:29		OK
4	50PPBCN	50PPBCN	CAL4	05/23/18 09:29		OK
5	100PPBCN	100PPBCN	CAL5	05/23/18 09:29		OK
6	250PPBCN	250PPBCN	CAL6	05/23/18 09:29		OK
7	500PPBCN	500PPBCN	CAL7	05/23/18 09:29		OK
8	ICV1	ICV1	ICV	05/23/18 10:26		OK
9	ICB1	ICB1	ICB	05/23/18 10:26		OK
10	CCV1	CCV1	CCV	05/23/18 10:26		OK
11	CCB1	CCB1	CCB	05/23/18 10:26		OK
12	PB109571BL	PB109571BL	MB	05/23/18 10:26		OK
13	PB109571BS	PB109571BS	LCS	05/23/18 10:26		OK
14	MIDPB109571	MIDPB109571	SAM	05/23/18 10:26		OK
15	J2908-01	EFFLUENT-DAY1-1-	SAM	05/23/18 10:26		OK
16	J2908-01DUP	EFFLUENT-DAY1-1-	DUP	05/23/18 10:26		OK
17	J2908-01MS	EFFLUENT-DAY1-1-	MS	05/23/18 10:26		OK
18	J2908-01MSD	EFFLUENT-DAY1-1-	MSD	05/23/18 10:26		OK
19	CCV2	CCV2	CCV	05/23/18 10:29		OK
20	CCB2	CCB2	CCB	05/23/18 10:29		OK



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Report of Analysis

Client:		Date Collected:	5/21/2018 12:00:00 AM
Project:	LB95554	Date Received:	5/22/2018 12:00:00 AM
Client Sample ID:	EFFLUENT-DAY1-1-4-CN	SDG No.:	LB95554
Lab Sample ID:	J2908-01	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	0.0017	J	1	0.001		0.005	mg/L	05/22/2018	05/23/2018	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB95554	Date Received:	
Client Sample ID:	MIDPB109571	SDG No.:	LB95554
Lab Sample ID:	MIDPB109571	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	0.24		1	0.001		0.005	mg/L		05/23/2018	SM4500-CN C,]



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Report of Analysis

Client:		Date Collected:	
Project:	LB95554	Date Received:	
Client Sample ID:	MIDPB109571	SDG No.:	LB95554
Lab Sample ID:	MIDPB109571	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: LB95554

SDG No.: LB95554

Contract: _____ Lab Code: CHEM

Case No.: LB95554

SAS No.: LB95554

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Cyanide	0.088	0.099	88.9		85 - 115		05/23/2018	10:26	LB95554



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95554

SDG No.: LB95554

Contract: _____ Lab Code: CHEM

Case No.: LB95554

SAS No.: LB95554

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Cyanide	0.24	0.25	96		90 - 110		05/23/2018	10:26	LB95554
CCV2	Cyanide	0.26	0.25	104		90 - 110		05/23/2018	10:29	LB95554



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95554

SDG No.: LB95554

Contract:

Lab Code: CHEM

Case No.: LB95554

SAS No.: LB95554

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00068	+/-0.005	U		0.005		05/23/2018	10:26	LB95554



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95554

SDG No.: LB95554

Contract:

Lab Code: CHEM

Case No.: LB95554

SAS No.: LB95554

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	J		0.005		05/23/2018	10:26	LB95554
CCB2	Cyanide	0.001	+/-0.005	J		0.005		05/23/2018	10:29	LB95554



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95554

SDG No.: LB95554

Contract: Lab Code: CHEM

Case No.: LB95554

SAS No.: LB95554

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: LB95554

SDG No.: LB95554

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
PB109571BL	Cyanide	WATER 0.0011	<0.005	Batch Number: J		PB109571 0.005		Prep Date: 05/23/2018	05/22/2018 10:26	LB95554



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- 5a -
MATRIX SPIKE SUMMARY

client: LB95554 level: low sdg no.: LB95554
contract: lab code: CHEM case no.: LB95554 sas no.: LB95554
matrix: WATER sample id: J2908-01 client id: EFFLUENT-DAY1-1-4-CNMS
Percent Solids for Sample: 0 Spiked ID: J2908-01MS 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	0.037		0.0017	J	0.04	88		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95554 level: low sdg no.: LB95554
contract: lab code: CHEM case no.: LB95554 sas no.: LB95554
matrix: WATER sample id: J2908-01 client id: EFFLUENT-DAY1-1-4-CNMSD
Percent Solids for Sample: 0 Spiked ID: J2908-01MSD 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	0.037		0.0017	J	0.04	88		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95554 **Level:** LOW **SDG No.:** LB95554
Contract: **Lab Code:** CHEM **Case No.:** LB95554 **SAS No.:** LB95554
Matrix: WATER **Sample ID:** J2908-01 **Client ID:** EFFLUENT-DAY1-1-4-CNDUP
Percent Solids for Sample: 0 **Duplicate ID** J2908-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.0017	J	0.0021	J	21	*	



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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95554 **Level:** LOW **SDG No.:** LB95554
Contract: **Lab Code:** CHEM **Case No.:** LB95554 **SAS No.:** LB95554
Matrix: WATER **Sample ID:** J2908-01MS **Client ID:** EFFLUENT-DAY1-1-4-CNMSD
Percent Solids for Sample: 0 **Duplicate ID** J2908-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.037		0.037		0		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95554

SDG No.: LB95554

Contract:

Lab Code: CHEM

Case No.: LB95554

SAS No.: LB95554

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109571BS Cyanide	mg/L	0.1	0.089		89	85 - 115	