

Daily Analysis Runlog For Sequence/QC Batch ID # LB95224

Review By		Review On				
SubDirectory		LB95224		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64319,WP64320,WP64321,WP64322,WP64323,WP64324,WP64325				
ICV Standard		W1542				
CCV Standard		WP64326				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64328,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/09/18 11:21		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/09/18 11:21		OK
3	10PPBCN	10PPBCN	CAL3	05/09/18 11:21		OK
4	50PPBCN	50PPBCN	CAL4	05/09/18 11:21		OK
5	100PPBCN	100PPBCN	CAL5	05/09/18 11:21		OK
6	250PPBCN	250PPBCN	CAL6	05/09/18 11:21		OK
7	500PPBCN	500PPBCN	CAL7	05/09/18 11:21		OK
8	ICV1	ICV1	ICV	05/09/18 14:40		OK
9	ICB1	ICB1	ICB	05/09/18 14:40		OK
10	CCV1	CCV1	CCV	05/09/18 14:40		OK
11	CCB1	CCB1	CCB	05/09/18 14:40		OK
12	PB109095BL	PB109095BL	MB	05/09/18 14:40		OK
13	PB109095BS	PB109095BS	LCS	05/09/18 14:40		OK
14	J2803-06	OILY-WATER	SAM	05/09/18 14:40		OK
15	J2803-06DUP	OILY-WATERDUP	DUP	05/09/18 14:40		OK
16	J2803-06MS	OILY-WATERMS	MS	05/09/18 14:40		OK
17	J2803-06MSD	OILY-WATERMSD	MSD	05/09/18 14:40		OK
18	J2811-13	TP-6	SAM	05/09/18 14:40		OK
19	CCV2	CCV2	CCV	05/09/18 14:44		OK
20	CCB2	CCB2	CCB	05/09/18 14:44		OK



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Report of Analysis

Client:		Date Collected:	5/8/2018 12:00:00 AM
Project:	LB95224	Date Received:	5/8/2018 12:00:00 AM
Client Sample ID:	OILY-WATER	SDG No.:	LB95224
Lab Sample ID:	J2803-06	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	0.0012	U	1	0.003		0.005	mg/L	05/09/2018	05/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/8/2018 12:00:00 AM
Project:	LB95224	Date Received:	5/8/2018 12:00:00 AM
Client Sample ID:	TP-6	SDG No.:	LB95224
Lab Sample ID:	J2811-13	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	0.0019	U	1	0.003		0.005	mg/L	05/09/2018	05/09/2018	9012B



Report of Analysis

Client:		Date Collected:	5/8/2018 12:00:00 AM
Project:	LB95224	Date Received:	5/8/2018 12:00:00 AM
Client Sample ID:	TP-6	SDG No.:	LB95224
Lab Sample ID:	J2811-13	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: LB95224

SDG No.: LB95224

Contract: _____ Lab Code: CHEM

Case No.: LB95224

SAS No.: LB95224

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		05/09/2018	14:40	LB95224
CCV2	Cyanide	0.26	0.25	104		90 - 110		05/09/2018	14:44	LB95224



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95224 **SDG No.:** LB95224
Contract: **Lab Code:** CHEM **Case No.:** LB95224 **SAS No.:** LB95224

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00045	+/-0.005	U		0.005		05/09/2018	14:40	LB95224



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95224					SDG No.: LB95224					
Contract:			Lab Code: CHEM		Case No.: LB95224			SAS No.: LB95224		
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00077	+/-0.005	U		0.005		05/09/2018	14:40	LB95224
CCB2	Cyanide	0.00056	+/-0.005	U		0.005		05/09/2018	14:44	LB95224



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>LB95224</u>	SDG No.:	<u>LB95224</u>				
Contract:	<u> </u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>LB95224</u>	SAS No.:	<u>LB95224</u>

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: LB95224

SDG No.: LB95224

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
PB109095BL	Cyanide	WATER -0	<0.005	Batch Number: U		PB109095 0.005		Prep Date: 05/09/2018	05/09/2018 14:40	LB95224



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- 5a -
MATRIX SPIKE SUMMARY

client: LB95224 level: low sdg no.: LB95224
contract: lab code: CHEM case no.: LB95224 sas no.: LB95224
matrix: WATER sample id: J2803-06 client id: OILY-WATERMS
Percent Solids for Sample: 0 Spiked ID: J2803-06MS 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	0.038		0.003	U	0.04	95		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95224 level: low sdg no.: LB95224
contract: lab code: CHEM case no.: LB95224 sas no.: LB95224
matrix: WATER sample id: J2803-06 client id: OILY-WATERMSD
Percent Solids for Sample: 0 Spiked ID: J2803-06MSD 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		0.003	U	0.04	92.5		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95224 **Level:** LOW **SDG No.:** LB95224
Contract: **Lab Code:** CHEM **Case No.:** LB95224 **SAS No.:** LB95224
Matrix: WATER **Sample ID:** J2803-06 **Client ID:** OILY-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J2803-06DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.003	U	0.0015	U			



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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95224 **Level:** LOW **SDG No.:** LB95224
Contract: **Lab Code:** CHEM **Case No.:** LB95224 **SAS No.:** LB95224
Matrix: WATER **Sample ID:** J2803-06MS **Client ID:** OILY-WATERMSD
Percent Solids for Sample: 0 **Duplicate ID** J2803-06MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.038		0.037		3		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95224

SDG No.: LB95224

Contract:

Lab Code: CHEM

Case No.: LB95224

SAS No.: LB95224

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109095BS Cyanide	mg/L	0.1	0.089		89	85 - 115	