

Daily Analysis Runlog For Sequence/QC Batch ID # LB89845

Review By

Review On

SubDirectory

LB89845

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP57635,WP57636,WP57637,WP57638,WP57639,WP57640,WP57633				
ICV Standard		wp57642				
CCV Standard		wp57643				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57641,WP55355,WP55836				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/01/17 10:14		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/01/17 10:14		OK
3	10PPBCN	10PPBCN	CAL3	09/01/17 10:14		OK
4	50PPBCN	50PPBCN	CAL4	09/01/17 10:14		OK
5	100PPBCN	100PPBCN	CAL5	09/01/17 10:14		OK
6	250PPBCN	250PPBCN	CAL6	09/01/17 10:14		OK
7	500PPBCN	500PPBCN	CAL7	09/01/17 10:14		OK
8	ICV1	ICV1	ICV	09/01/17 15:57		OK
9	ICB1	ICB1	ICB	09/01/17 15:57		OK
10	CCV1	CCV1	CCV	09/01/17 15:57		OK
11	CCB1	CCB1	CCB	09/01/17 15:57		OK
12	PB102020BL	PB102020BL	MB	09/01/17 15:57		OK
13	PB102020BS	PB102020BS	LCS	09/01/17 16:04		OK
14	MIDPB102020	MIDPB102020	SAM	09/01/17 16:04		OK
15	I5057-01	MWHR2-6	SAM	09/01/17 16:04		OK
16	I5057-01DUP	MWHR2-6DUP	DUP	09/01/17 16:04		OK
17	I5057-02	MWHR2-6MS	MS	09/01/17 16:04		OK
18	I5057-03	MWHR2-6MSD	MSD	09/01/17 16:04		OK
19	I5057-04	MWHR2-10	SAM	09/01/17 16:04		OK
20	I5057-05	MWHR3-8	SAM	09/01/17 16:04		OK
21	CCV2	CCV2	CCV	09/01/17 16:25		OK



Instrument ID : KONELAB

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

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SubDirectory		Test : Cyanide				
LB89845						
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Chk Standard	WP57641,WP55355,WP55836					
22	CCB2	CCB2	CCB	09/01/17 16:25		OK



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Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89845	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	MWHR2-6	SDG No.:	LB89845
Lab Sample ID:	I5057-01	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	-0.00095	U	1	0.001		0.005	mg/L	09/01/2017	09/01/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89845	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	MWHR2-10	SDG No.:	LB89845
Lab Sample ID:	I5057-04	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	-0.00099	U	1	0.001		0.005	mg/L	09/01/2017	09/01/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89845	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	MWHR3-8	SDG No.:	LB89845
Lab Sample ID:	I5057-05	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	0.019		1	0.001		0.005	mg/L	09/01/2017	09/01/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	
Project:	LB89845	Date Received:	
Client Sample ID:	MIDPB102020	SDG No.:	LB89845
Lab Sample ID:	MIDPB102020	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		09/01/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	
Project:	LB89845	Date Received:	
Client Sample ID:	MIDPB102020	SDG No.:	LB89845
Lab Sample ID:	MIDPB102020	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: LB89845

SDG No.: LB89845

Contract: _____ Lab Code: CHEM

Case No.: LB89845

SAS No.: LB89845

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		09/01/2017	15:57	LB89845
CCV2	Cyanide	0.26	0.25	104	0	90 - 110		09/01/2017	16:25	LB89845



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89845

SDG No.: LB89845

Contract:

Lab Code: CHEM

Case No.: LB89845

SAS No.: LB89845

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00091	+/-0.005	U		0.005		09/01/2017	15:57	LB89845



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89845

SDG No.: LB89845

Contract:

Lab Code: CHEM

Case No.: LB89845

SAS No.: LB89845

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.001	+/-0.005	U		0.005		09/01/2017	15:57	LB89845
CCB2	Cyanide	-0.0011	+/-0.005	U		0.005		09/01/2017	16:25	LB89845



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89845

SDG No.: LB89845

Contract: Lab Code: CHEM

Case No.: LB89845

SAS No.: LB89845

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

Client: LB89845

SDG No.: LB89845

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
PB102020BL	Cyanide	WATER -0.00078	<0.005	Batch Number: U		PB102020 0.005		Prep Date: 09/01/2017	09/01/2017 15:57	LB89845



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89845 level: low sdg no.: LB89845
contract: lab code: CHEM case no.: LB89845 sas no.: LB89845
matrix: WATER sample id: I5057-01 client id: MWHR2-6MS
Percent Solids for Sample: 0 Spiked ID: I5057-02 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		0.001	U	0.04	92.5		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89845 level: low sdg no.: LB89845
contract: lab code: CHEM case no.: LB89845 sas no.: LB89845
matrix: WATER sample id: I5057-01 client id: MWHR2-6MSD
Percent Solids for Sample: 0 Spiked ID: I5057-03 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		0.001	U	0.04	92.5		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89845 **Level:** LOW **SDG No.:** LB89845
Contract: **Lab Code:** CHEM **Case No.:** LB89845 **SAS No.:** LB89845
Matrix: WATER **Sample ID:** I5057-01 **Client ID:** MWHR2-6DUP
Percent Solids for Sample: 0 **Duplicate ID** I5057-01DUP **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	-0.00057	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB89845 **Level:** LOW **SDG No.:** LB89845
Contract: **Lab Code:** CHEM **Case No.:** LB89845 **SAS No.:** LB89845
Matrix: WATER **Sample ID:** I5057-02 **Client ID:** MWHR2-6MSD
Percent Solids for Sample: 0 **Duplicate ID** I5057-03 **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		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89845

SDG No.: LB89845

Contract:

Lab Code: CHEM

Case No.: LB89845

SAS No.: LB89845

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102020BS Cyanide	mg/L	0.1	0.099		99	85 - 115	