

Daily Analysis Runlog For Sequence/QC Batch ID # LB87708

Review By		Review On				
SubDirectory		LB87708		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP55233,WP55234,WP55235WP55236,WP55237,WP55238,WP55239,WP55240				
ICV Standard		W1541				
CCV Standard		WP55242				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP55241,WP51276,WP51626				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/25/17 11:22		
2	5.0PPBCN	5.0PPBCN	CAL2	05/25/17 11:22		
3	10PPBCN	10PPBCN	CAL3	05/25/17 11:22		
4	50PPBCN	50PPBCN	CAL4	05/25/17 11:22		
5	100PPBCN	100PPBCN	CAL5	05/25/17 11:22		
6	250PPBCN	250PPBCN	CAL6	05/25/17 11:22		
7	500PPBCN	500PPBCN	CAL7	05/25/17 11:22		
8	ICV1	ICV1	ICV	05/25/17 13:35		
9	ICB1	ICB1	ICB	05/25/17 13:35		
10	CCV1	CCV1	CCV	05/25/17 13:35		
11	CCB1	CCB1	CCB	05/25/17 13:35		
12	PB99189BL	PB99189BL	MB	05/25/17 13:35		
13	PB99189BS	PB99189BS	LCS	05/25/17 13:35		
14	MIDPB99189	MIDPB99189	SAM	05/25/17 13:35		
15	I3110-01	DAY1-1-4CN-COMP	SAM	05/25/17 13:35		
16	I3110-03	DAY2-1-4CN-COMP	SAM	05/25/17 13:35		
17	I3110-05	DAY3-1-4CN-COMP	SAM	05/25/17 13:35		
18	I3110-07	DAY4-1-4CN-COMP	SAM	05/25/17 13:35		
19	I3117-01	EFFLUENTDAY1-1-4	SAM	05/25/17 13:42		
20	I3117-01DUP	EFFLUENTDAY1-1-4	DUP	05/25/17 13:42		
21	I3117-01MS	EFFLUENTDAY1-1-4	MS	05/25/17 13:42		

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

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SubDirectory		LB87708		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP55233,WP55234,WP55235WP55236,WP55237,WP55238,WP55239,WP55240				
ICV Standard		W1541				
CCV Standard		WP55242				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP55241,WP51276,WP51626				
22	CCV2	CCV2	CCV	05/25/17 13:42		
23	CCB2	CCB2	CCB	05/25/17 13:42		
24	I3117-01MSD	EFFLUENTDAY1-1-4	MSD	05/25/17 13:42		
25	I3280-01	MH-6	SAM	05/25/17 13:42		
26	CCV3	CCV3	CCV	05/25/17 13:42		
27	CCB3	CCB3	CCB	05/25/17 13:42		



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Report of Analysis

Client:		Date Collected:	5/19/2017 12:00:00 AM
Project:	LB87708	Date Received:	5/19/2017 12:00:00 AM
Client Sample ID:	DAY1-1-4CN-COMP	SDG No.:	LB87708
Lab Sample ID:	I3110-01	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	05/22/2017	05/25/2017	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	5/19/2017 12:00:00 AM
Project:	LB87708	Date Received:	5/19/2017 12:00:00 AM
Client Sample ID:	DAY2-1-4CN-COMP	SDG No.:	LB87708
Lab Sample ID:	I3110-03	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	-0.0011	U	1	0.001		0.005	mg/L	05/22/2017	05/25/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	5/19/2017 12:00:00 AM
Project:	LB87708	Date Received:	5/19/2017 12:00:00 AM
Client Sample ID:	DAY3-1-4CN-COMP	SDG No.:	LB87708
Lab Sample ID:	I3110-05	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	-0.00053	U	1	0.001		0.005	mg/L	05/22/2017	05/25/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	5/19/2017 12:00:00 AM
Project:	LB87708	Date Received:	5/19/2017 12:00:00 AM
Client Sample ID:	DAY4-1-4CN-COMP	SDG No.:	LB87708
Lab Sample ID:	I3110-07	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	-0.0016	U	1	0.001		0.005	mg/L	05/22/2017	05/25/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	5/19/2017 12:00:00 AM
Project:	LB87708	Date Received:	5/19/2017 12:00:00 AM
Client Sample ID:	EFFLUENTDAY1-1-4CN	SDG No.:	LB87708
Lab Sample ID:	I3117-01	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	-0.0013	U	1	0.001		0.005	mg/L	05/22/2017	05/25/2017	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	5/18/2017 12:00:00 AM
Project:	LB87708	Date Received:	5/19/2017 12:00:00 AM
Client Sample ID:	MH-6	SDG No.:	LB87708
Lab Sample ID:	I3280-01	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	-0.00015	U	1	0.001		0.005	mg/L	05/22/2017	05/25/2017	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	
Project:	LB87708	Date Received:	
Client Sample ID:	MIDPB99189	SDG No.:	LB87708
Lab Sample ID:	MIDPB99189	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		05/25/2017	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB87708	Date Received:	
Client Sample ID:	MIDPB99189	SDG No.:	LB87708
Lab Sample ID:	MIDPB99189	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: LB87708

SDG No.: LB87708

Contract: _____ Lab Code: CHEM

Case No.: LB87708

SAS No.: LB87708

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		05/25/2017	13:35	LB87708
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		05/25/2017	13:42	LB87708
CCV3	Cyanide	0.24	0.25	96	0	90 - 110		05/25/2017	13:42	LB87708



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87708 **SDG No.:** LB87708
Contract: **Lab Code:** CHEM **Case No.:** LB87708 **SAS No.:** LB87708

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00065	+/-0.005	U		0.005		05/25/2017	13:35	LB87708

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00059	+/-0.005	U		0.005		05/25/2017	13:35	LB87708
CCB2	Cyanide	-0.00072	+/-0.005	U		0.005		05/25/2017	13:42	LB87708
CCB3	Cyanide	-0.00037	+/-0.005	U		0.005		05/25/2017	13:42	LB87708



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87708

SDG No.: LB87708

Contract: Lab Code: CHEM

Case No.: LB87708

SAS No.: LB87708

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: LB87708

SDG No.: LB87708

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
PB99189BL	Cyanide	WATER -0.00071	<0.005	Batch Number: U		PB99189 0.005		Prep Date: 05/25/2017	05/22/2017 13:35	LB87708



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- 5a -
MATRIX SPIKE SUMMARY

client: LB87708 level: low sdg no.: LB87708
contract: lab code: CHEM case no.: LB87708 sas no.: LB87708
matrix: WATER sample id: I3117-01 client id: EFFLUENTDAY1-1-4CNMS
Percent Solids for Sample: 0 Spiked ID: I3117-01MS 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	0.027		0.001	U	0.04	67.5	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB87708 level: low sdg no.: LB87708
contract: lab code: CHEM case no.: LB87708 sas no.: LB87708
matrix: WATER sample id: I3117-01 client id: EFFLUENTDAY1-1-4CNMSD
Percent Solids for Sample: 0 Spiked ID: I3117-01MSD 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: LB87708 **Level:** LOW **SDG No.:** LB87708
Contract: **Lab Code:** CHEM **Case No.:** LB87708 **SAS No.:** LB87708
Matrix: WATER **Sample ID:** I3117-01 **Client ID:** EFFLUENTDAY1-1-4CNDUP
Percent Solids for Sample: 0 **Duplicate ID** I3117-01DUP **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	-0.00082	U			

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB87708 **Level:** LOW **SDG No.:** LB87708
Contract: **Lab Code:** CHEM **Case No.:** LB87708 **SAS No.:** LB87708
Matrix: WATER **Sample ID:** I3117-01MS **Client ID:** EFFLUENTDAY1-1-4CNMSD
Percent Solids for Sample: 0 **Duplicate ID** I3117-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.027		0.028		4		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87708

SDG No.: LB87708

Contract:

Lab Code: CHEM

Case No.: LB87708

SAS No.: LB87708

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB99189BS Cyanide	mg/L	0.1	0.096		96	85 - 115	