

Daily Analysis Runlog For Sequence/QC Batch ID # LB91697

Review By

SubDirectory

Review On

Test : Reactive Cyanide

LB91697

STD. NAME		STD REF.#				
ICAL Standard		WP59755,WP59756,WP59757,WP59758,WP59759,WP59760,WP59761				
ICV Standard		WP59764				
CCV Standard		WP59762				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59763				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/20/17 09:31		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/20/17 09:31		OK
3	10PPBCN	10PPBCN	CAL3	11/20/17 09:31		OK
4	50PPBCN	50PPBCN	CAL4	11/20/17 09:31		OK
5	100PPBCN	100PPBCN	CAL5	11/20/17 09:31		OK
6	250PPBCN	250PPBCN	CAL6	11/20/17 09:31		OK
7	500PPBCN	500PPBCN	CAL7	11/20/17 09:31		OK
8	ICV1	ICV1	ICV	11/20/17 12:57		OK
9	ICB1	ICB1	ICB	11/20/17 12:57		OK
10	CCV1	CCV1	CCV	11/20/17 12:57		OK
11	CCB1	CCB1	CCB	11/20/17 12:57		OK
12	PB104388BL	PB104388BL	MB	11/20/17 12:57		OK
13	I6300-06	OR-01-111717	SAM	11/20/17 12:57		OK
14	I6300-06DUP	OR-01-111717DUP	DUP	11/20/17 12:57		OK
15	I6306-02	NB-08-111717	SAM	11/20/17 13:05		OK
16	I6311-06	TR-04-111717	SAM	11/20/17 13:05		OK
17	I6538-02	OILY-STONES	SAM	11/20/17 13:05		OK
18	PB104389BL	PB104389BL	MB	11/20/17 13:05		OK
19	I6535-05	RT-4252-RT-3025-RT	SAM	11/20/17 13:05		OK
20	I6535-05DUP	RT-4252-RT-3025-RT	DUP	11/20/17 13:05		OK
21	CCV2	CCV2	CCV	11/20/17 13:05		OK



Instrument ID : KONELAB

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB91697

Review By		Review On				
SubDirectory		Test : Reactive Cyanide				
LB91697						
STD. NAME		STD REF.#				
ICAL Standard		WP59755,WP59756,WP59757,WP59758,WP59759,WP59760,WP59761				
ICV Standard		WP59764				
CCV Standard		WP59762				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59763				
22	CCB2	CCB2	CCB	11/20/17 13:05		OK
23	I6537-02	SV22482L	SAM	11/20/17 13:05		OK
24	I6535-03	RT-4252-RT-3025-R	SAM	11/20/17 13:31		OK
25	CCV3	CCV3	CCV	11/20/17 13:31		OK
26	CCB3	CCB3	CCB	11/20/17 13:31		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91697	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	OR-01-111717	SDG No.:	LB91697
Lab Sample ID:	I6300-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0026	U	1	0.025		0.05	mg/Kg	11/20/2017	11/20/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91697	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	NB-08-111717	SDG No.:	LB91697
Lab Sample ID:	I6306-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0022	U	1	0.025		0.05	mg/Kg	11/20/2017	11/20/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91697	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	TR-04-111717	SDG No.:	LB91697
Lab Sample ID:	I6311-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0011	U	1	0.025		0.05	mg/Kg	11/20/2017	11/20/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91697	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	RT-4252-RT-3025-RT-2342	SDG No.:	LB91697
Lab Sample ID:	I6535-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0021	U	1	0.025		0.049	mg/Kg	11/20/2017	11/20/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91697	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	RT-4252-RT-3025-RT-2342	SDG No.:	LB91697
Lab Sample ID:	I6535-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00044	U	1	0.0025		0.005	mg/L	11/20/2017	11/20/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91697	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	SV22482L	SDG No.:	LB91697
Lab Sample ID:	I6537-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0	U	1	0.0025		0.005	mg/L	11/20/2017	11/20/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91697	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB91697
Lab Sample ID:	I6538-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.004	U	1	0.025		0.05	mg/Kg	11/20/2017	11/20/2017	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91697	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB91697
Lab Sample ID:	I6538-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
-----	-----------	-------	------	----	-----	-----	------------	-------	-----------	-----------	----------

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: LB91697

SDG No.: LB91697

Contract: _____ Lab Code: CHEM

Case No.: LB91697

SAS No.: LB91697

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	Reactive Cyanide	0.24	0.25	96	0	90 - 110		11/20/2017	12:57	LB91697
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		11/20/2017	13:05	LB91697
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		11/20/2017	13:31	LB91697



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91697 **SDG No.:** LB91697
Contract: **Lab Code:** CHEM **Case No.:** LB91697 **SAS No.:** LB91697

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00012	+/-0.005	U		0.005		11/20/2017	12:57	LB91697



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91697

SDG No.: LB91697

Contract:

Lab Code: CHEM

Case No.: LB91697

SAS No.: LB91697

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00016	+/-0.005	U		0.005		11/20/2017	12:57	LB91697
CCB2	Reactive Cyanide	0.00013	+/-0.005	U		0.005		11/20/2017	13:05	LB91697
CCB3	Reactive Cyanide	0	+/-0.005	U		0.005		11/20/2017	13:31	LB91697



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91697

SDG No.: LB91697

Contract: Lab Code: CHEM

Case No.: LB91697

SAS No.: LB91697

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
-----------	---------	----------------	---------------------	--------------	-----	------	---	------------------	------------------	---------------



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB91697

SDG No.: LB91697

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB104388BL	Reactive Cyanide	SOLID	<0.05	Batch Number:	PB104388			Prep Date:	11/20/2017	
		-0.0043		U		0.05		11/20/2017	12:57	LB91697
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB104389BL	Reactive Cyanide	WATER	<0.005	Batch Number:	PB104389			Prep Date:	11/20/2017	
		-0.00035		U		0.005		11/20/2017	13:05	LB91697

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB91697 **Level:** LOW **SDG No.:** LB91697
Contract: **Lab Code:** CHEM **Case No.:** LB91697 **SAS No.:** LB91697
Matrix: Solid **Sample ID:** I6300-06 **Client ID:** OR-01-111717DUP
Percent Solids for Sample: 100 **Duplicate ID** I6300-06DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.0021	U			

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB91697 **Level:** LOW **SDG No.:** LB91697
Contract: **Lab Code:** CHEM **Case No.:** LB91697 **SAS No.:** LB91697
Matrix: WATER **Sample ID:** I6535-05 **Client ID:** RT-4252-RT-3025-RT-2342DUP
Percent Solids for Sample: 0 **Duplicate ID** I6535-05DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	0.00029	U			