

Daily Analysis Runlog For Sequence/QC Batch ID # LB87818

Review By

Review On

SubDirectory

LB87818

Test :

Reactive Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP55338,WP55339,WP55340,WP55341,WP55342,WP55343,WP55344,WP55345				
ICV Standard		WP55348				
CCV Standard		WP55347				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55346,WP51276,WP51626				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/02/17 09:04		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/02/17 09:04		OK
3	10PPBCN	10PPBCN	CAL3	06/02/17 09:04		OK
4	50PPBCN	50PPBCN	CAL4	06/02/17 09:04		OK
5	100PPBCN	100PPBCN	CAL5	06/02/17 09:04		OK
6	250PPBCN	250PPBCN	CAL6	06/02/17 09:04		OK
7	500PPBCN	500PPBCN	CAL7	06/02/17 09:04		OK
8	ICV1	ICV1	ICV	06/02/17 11:25		OK
9	ICB1	ICB1	ICB	06/02/17 11:25		OK
10	CCV1	CCV1	CCV	06/02/17 11:25		OK
11	CCB1	CCB1	CCB	06/02/17 11:25		OK
12	PB99392BL	PB99392BL	MB	06/02/17 11:25		OK
13	I3398-09	SB-08-COMP	SAM	06/02/17 11:25		OK
14	I3398-09DUP	SB-08-COMPDUP	DUP	06/02/17 11:25		OK
15	I3398-10	SB-02-COMP	SAM	06/02/17 11:25		OK
16	I3398-11	SB-01-COMP	SAM	06/02/17 11:25		OK
17	I3398-12	SB-05-COMP	SAM	06/02/17 11:25		OK
18	I3409-07	WC-NP-ESB-21-22-2	SAM	06/02/17 11:25		OK
19	I3409-08	WC-NP-ESB-25-26-2	SAM	06/02/17 11:33		OK
20	I3412-03	TP-1-TP-2-COMP	SAM	06/02/17 11:33		OK
21	I3412-07	TP-3-TP-4-COMP	SAM	06/02/17 11:33		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB87818

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SubDirectory		LB87818		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP55338,WP55339,WP55340,WP55341,WP55342,WP55343,WP55344,WP55345				
ICV Standard		WP55348				
CCV Standard		WP55347				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55346,WP51276,WP51626				
22	CCV2	CCV2	CCV	06/02/17 11:33		OK
23	CCB2	CCB2	CCB	06/02/17 11:33		OK
24	I3412-11	TP-5-COMP	SAM	06/02/17 11:33		OK
25	I3413-03	R4-COMP	SAM	06/02/17 11:33		OK
26	I3420-05	TP-3-TP-4	SAM	06/02/17 11:33		OK
27	I3420-10	TP-1-TP-2	SAM	06/02/17 11:33		OK
28	CCV3	CCV3	CCV	06/02/17 11:33		OK
29	CCB3	CCB3	CCB	06/02/17 11:33		OK

Report of Analysis

Client:		Date Collected:	5/26/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/30/2017 12:00:00 AM
Client Sample ID:	SB-08-COMP	SDG No.:	LB87818
Lab Sample ID:	I3398-09	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	0.00034	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/30/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/30/2017 12:00:00 AM
Client Sample ID:	SB-02-COMP	SDG No.:	LB87818
Lab Sample ID:	I3398-10	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	0.00021	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/30/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/30/2017 12:00:00 AM
Client Sample ID:	SB-01-COMP	SDG No.:	LB87818
Lab Sample ID:	I3398-11	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	0.0034	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/30/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/30/2017 12:00:00 AM
Client Sample ID:	SB-05-COMP	SDG No.:	LB87818
Lab Sample ID:	I3398-12	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	0.0045	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/30/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	WC-NP-ESB-21-22-23-24	SDG No.:	LB87818
Lab Sample ID:	I3409-07	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	-0.00083	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B

Report of Analysis

Client:		Date Collected:	5/30/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	WC-NP-ESB-25-26-27	SDG No.:	LB87818
Lab Sample ID:	I3409-08	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	0.00089	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	TP-1-TP-2-COMP	SDG No.:	LB87818
Lab Sample ID:	I3412-03	Matrix:	Solid
Level (low/med):	low	% Solid:	87.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0012	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	TP-3-TP-4-COMP	SDG No.:	LB87818
Lab Sample ID:	I3412-07	Matrix:	Solid
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0057	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	TP-5-COMP	SDG No.:	LB87818
Lab Sample ID:	I3412-11	Matrix:	Solid
Level (low/med):	low	% Solid:	91

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.002	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B

Report of Analysis

Client:		Date Collected:	5/31/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	R4-COMP	SDG No.:	LB87818
Lab Sample ID:	I3413-03	Matrix:	Solid
Level (low/med):	low	% Solid:	83.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0028	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	TP-3-TP-4	SDG No.:	LB87818
Lab Sample ID:	I3420-05	Matrix:	Solid
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.001	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	TP-1-TP-2	SDG No.:	LB87818
Lab Sample ID:	I3420-10	Matrix:	Solid
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0013	U	1	0.025		0.05	mg/Kg	06/01/2017	06/02/2017	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2017 12:00:00 AM
Project:	LB87818	Date Received:	5/31/2017 12:00:00 AM
Client Sample ID:	TP-1-TP-2	SDG No.:	LB87818
Lab Sample ID:	I3420-10	Matrix:	Solid
Level (low/med):	low	% Solid:	84

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: LB87818

SDG No.: LB87818

Contract: _____ Lab Code: CHEM

Case No.: LB87818

SAS No.: LB87818

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
ICV1	Reactive Cyanide	0.095	0.099	96	0	85 - 115		06/02/2017	11:25	LB87818



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87818

SDG No.: LB87818

Contract: _____ Lab Code: CHEM

Case No.: LB87818

SAS No.: LB87818

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		06/02/2017	11:25	LB87818
CCV2	Reactive Cyanide	0.24	0.25	96	0	90 - 110		06/02/2017	11:33	LB87818
CCV3	Reactive Cyanide	0.25	0.25	100	0	90 - 110		06/02/2017	11:33	LB87818



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB87818

SDG No.: LB87818

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
PB99392BL	Reactive Cyanide	SOLID 0.005	<0.05	Batch Number: U		PB99392 0.05		Prep Date: 06/02/2017	06/01/2017 11:25	LB87818



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87818

SDG No.: LB87818

Contract:

Lab Code: CHEM

Case No.: LB87818

SAS No.: LB87818

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00049	+/-0.005	U		0.005		06/02/2017	11:25	LB87818



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87818

SDG No.: LB87818

Contract:

Lab Code: CHEM

Case No.: LB87818

SAS No.: LB87818

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00054	+/-0.005	U		0.005		06/02/2017	11:25	LB87818
CCB2	Reactive Cyanide	0.00045	+/-0.005	U		0.005		06/02/2017	11:33	LB87818
CCB3	Reactive Cyanide	0.00063	+/-0.005	U		0.005		06/02/2017	11:33	LB87818



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87818

SDG No.: LB87818

Contract: Lab Code: CHEM

Case No.: LB87818

SAS No.: LB87818

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

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DUPLICATE SAMPLE SUMMARY

Client: LB87818 Level: LOW SDG No.: LB87818
Contract: _____ Lab Code: CHEM Case No.: LB87818 SAS No.: LB87818
Matrix: Solid Sample ID: I3398-09 Client ID: SB-08-COMPDUP
Percent Solids for Sample: 100 Duplicate ID I3398-09DUP 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	0.0052	U			