

Daily Analysis Runlog For Sequence/QC Batch ID # LB92374

Review By

Review On

SubDirectory

LB92374

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP60565,WP60566,WP60567,WP60568,WP60569,WP60570,WP60571
ICV Standard	WP60573
CCV Standard	WP60572
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP60574,WP59958,WP60150

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/26/17 10:44		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/26/17 10:44		OK
3	10PPBCN	10PPBCN	CAL3	12/26/17 10:44		OK
4	50PPBCN	50PPBCN	CAL4	12/26/17 10:44		OK
5	100PPBCN	100PPBCN	CAL5	12/26/17 10:44		OK
6	250PPBCN	250PPBCN	CAL6	12/26/17 10:44		OK
7	500PPBCN	500PPBCN	CAL7	12/26/17 10:44		OK
8	ICV1	ICV1	ICV	12/26/17 12:01		OK
9	ICB1	ICB1	ICB	12/26/17 12:01		OK
10	CCV1	CCV1	CCV	12/26/17 12:01		OK
11	CCB1	CCB1	CCB	12/26/17 12:01		OK
12	PB105329BL	PB105329BL	MB	12/26/17 12:01		OK
13	I6684-06	BU-01-122217	SAM	12/26/17 12:01		OK
14	I6684-06DUP	BU-01-122217DUP	DUP	12/26/17 12:01		OK
15	I6686-06	TR-04-122217	SAM	12/26/17 12:08		OK
16	I7049-03	RT-3074-RT-917	SAM	12/26/17 12:08		OK
17	I7055-01	OILY-DRUM	SAM	12/26/17 12:08		OK
18	I7055-02	OILY-DEBRIS	SAM	12/26/17 12:08		OK
19	I7056-03	B-9(0-10)COMP	SAM	12/26/17 12:08		OK
20	I7061-01	TEC-COMP1	SAM	12/26/17 12:08		OK
21	I7069-11	SB-06-COMP	SAM	12/26/17 12:08		OK

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SubDirectory		LB92374		Test : Reactive Cyanide		
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ICAL Standard		WP60565,WP60566,WP60567,WP60568,WP60569,WP60570,WP60571				
ICV Standard		WP60573				
CCV Standard		WP60572				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60574,WP59958,WP60150				
22	CCV2	CCV2	CCV	12/26/17 12:08		OK
23	CCB2	CCB2	CCB	12/26/17 12:08		OK
24	I7069-12	SB-25-COMP	SAM	12/26/17 12:08		OK
25	I7069-13	SB-24-COMP	SAM	12/26/17 12:08		OK
26	I7069-14	SB-23-COMP	SAM	12/26/17 12:12		OK
27	I7069-15	SB-22-COMP	SAM	12/26/17 12:12		OK
28	CCV3	CCV3	CCV	12/26/17 12:12		OK
29	CCB3	CCB3	CCB	12/26/17 12:12		OK



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	BU-01-122217	SDG No.:	LB92374
Lab Sample ID:	I6684-06	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	-0.011	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	TR-04-122217	SDG No.:	LB92374
Lab Sample ID:	I6686-06	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	-0.01	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	RT-3074-RT-917	SDG No.:	LB92374
Lab Sample ID:	I7049-03	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	-0.0073	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	OILY-DRUM	SDG No.:	LB92374
Lab Sample ID:	I7055-01	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	-0.0088	U	1	0.025		0.049	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	OILY-DEBRIS	SDG No.:	LB92374
Lab Sample ID:	I7055-02	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	-0.0081	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	B-9(0-10)COMP	SDG No.:	LB92374
Lab Sample ID:	I7056-03	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	-0.0099	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	TEC-COMP1	SDG No.:	LB92374
Lab Sample ID:	I7061-01	Matrix:	Solid
Level (low/med):	low	% Solid:	94.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0069	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	SB-06-COMP	SDG No.:	LB92374
Lab Sample ID:	I7069-11	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	-0.0071	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	SB-25-COMP	SDG No.:	LB92374
Lab Sample ID:	I7069-12	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	-0.008	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	SB-24-COMP	SDG No.:	LB92374
Lab Sample ID:	I7069-13	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	-0.0098	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	SB-23-COMP	SDG No.:	LB92374
Lab Sample ID:	I7069-14	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	-0.01	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	SB-22-COMP	SDG No.:	LB92374
Lab Sample ID:	I7069-15	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	-0.011	U	1	0.025		0.05	mg/Kg	12/26/2017	12/26/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/22/2017 12:00:00 AM
Project:	LB92374	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	SB-22-COMP	SDG No.:	LB92374
Lab Sample ID:	I7069-15	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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: LB92374

SDG No.: LB92374

Contract: _____

Lab Code: CHEM

Case No.: LB92374

SAS No.: LB92374

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	0.097	0.099	98	0	85 - 115		12/26/2017	12:01	lb92374



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92374

SDG No.: LB92374

Contract: _____ Lab Code: CHEM

Case No.: LB92374

SAS No.: LB92374

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	0.25	0.25	100	0	90 - 110		12/26/2017	12:01	lb92374
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		12/26/2017	12:08	lb92374
CCV3	Reactive Cyanide	0.27	0.25	108	0	90 - 110		12/26/2017	12:12	lb92374



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92374

SDG No.: LB92374

Contract:

Lab Code: CHEM

Case No.: LB92374

SAS No.: LB92374

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00085	+/-0.005	U		0.005		12/26/2017	12:01	lb92374

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.0009	+/-0.005	U		0.005		12/26/2017	12:01	lb92374
CCB2	Reactive Cyanide	-0.00071	+/-0.005	U		0.005		12/26/2017	12:08	lb92374
CCB3	Reactive Cyanide	-0.00066	+/-0.005	U		0.005		12/26/2017	12:12	lb92374



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92374

SDG No.: LB92374

Contract: Lab Code: CHEM

Case No.: LB92374

SAS No.: LB92374

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: LB92374

SDG No.: LB92374

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
PB105329BL		SOLID		Batch Number:		PB105329		Prep Date:	12/26/2017	
	Reactive Cyanide	-0.012	<0.05	U		0.05		12/26/2017	12:01	lb92374

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92374 **Level:** LOW **SDG No.:** LB92374
Contract: **Lab Code:** CHEM **Case No.:** LB92374 **SAS No.:** LB92374
Matrix: Solid **Sample ID:** I6684-06 **Client ID:** BU-01-122217DUP
Percent Solids for Sample: 100 **Duplicate ID** I6684-06DUP **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	-0.0088	U			