

Daily Analysis Runlog For Sequence/QC Batch ID # LB95386

Review By		Review On				
SubDirectory		LB95386		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64511,WP64512,WP64513,WP64514,WP64515,WP64516,WP64157				
ICV Standard		WP64519				
CCV Standard		WP64518				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP64520,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/16/18 07:47		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/16/18 07:48		OK
3	10PPBCN	10PPBCN	CAL3	05/16/18 07:48		OK
4	50PPBCN	50PPBCN	CAL4	05/16/18 07:48		OK
5	100PPBCN	100PPBCN	CAL5	05/16/18 07:48		OK
6	250PPBCN	250PPBCN	CAL6	05/16/18 07:48		OK
7	500PPBCN	500PPBCN	CAL7	05/16/18 07:48		OK
8	ICV1	ICV1	ICV	05/16/18 11:49		OK
9	ICB1	ICB1	ICB	05/16/18 11:49		OK
10	CCV1	CCV1	CCV	05/16/18 11:49		OK
11	CCB1	CCB1	CCB	05/16/18 11:49		OK
12	PB109319BL	PB109319BL	MB	05/16/18 11:49		OK
13	J2361-03	JC-RT-4763-OILY-WI	SAM	05/16/18 11:49		OK
14	J2361-03DUP	JC-RT-4763-OILY-WI	DUP	05/16/18 11:49		OK
15	J2672-06	BU-03-051518	SAM	05/16/18 11:49		OK
16	J2680-12	PL-01-051518-A	SAM	05/16/18 11:49		OK
17	J2680-14	PL-01-051518-B	SAM	05/16/18 11:49		OK
18	J2680-16	PL-01-051518-C	SAM	05/16/18 11:49		OK
19	J2680-18	PL-01-051518-D	SAM	05/16/18 11:56		OK
20	J2680-20	PL-01-051518-E	SAM	05/16/18 11:56		OK
21	J2924-04	TP-12A	SAM	05/16/18 11:56		OK

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SubDirectory		LB95386		Test : Reactive Cyanide		
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ICAL Standard		WP64511,WP64512,WP64513,WP64514,WP64515,WP64516,WP64157				
ICV Standard		WP64519				
CCV Standard		WP64518				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP64520,WP59958,WP60878				
22	CCV2	CCV2	CCV	05/16/18 11:56		OK
23	CCB2	CCB2	CCB	05/16/18 11:56		OK
24	J2924-06	TP-12B	SAM	05/16/18 11:56		OK
25	J2925-03	259-COMP1-SL	SAM	05/16/18 11:56		OK
26	PB109320BL	PB109320BL	MB	05/16/18 11:56		OK
27	J2519-03	OILY-WATER-TOTE	SAM	05/16/18 11:56		OK
28	J2519-03DUP	OILY-WATER-TOTE	DUP	05/16/18 11:56		OK
29	CCV3	CCV3	CCV	05/16/18 11:56		OK
30	CCB3	CCB3	CCB	05/16/18 11:59		OK



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	JC-RT-4763-OILY-WIPES	SDG No.:	LB95386
Lab Sample ID:	J2361-03	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	0.0051	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	OILY-WATER-TOTE	SDG No.:	LB95386
Lab Sample ID:	J2519-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.00045	U	1	0.0025		0.005	mg/L	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	BU-03-051518	SDG No.:	LB95386
Lab Sample ID:	J2672-06	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	0.0071	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B

Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	PL-01-051518-A	SDG No.:	LB95386
Lab Sample ID:	J2680-12	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	0.0068	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	PL-01-051518-B	SDG No.:	LB95386
Lab Sample ID:	J2680-14	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	-0.0017	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	PL-01-051518-C	SDG No.:	LB95386
Lab Sample ID:	J2680-16	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	0.0017	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	PL-01-051518-D	SDG No.:	LB95386
Lab Sample ID:	J2680-18	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	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	PL-01-051518-E	SDG No.:	LB95386
Lab Sample ID:	J2680-20	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	0.0061	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	TP-12A	SDG No.:	LB95386
Lab Sample ID:	J2924-04	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	0.0052	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/15/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	TP-12B	SDG No.:	LB95386
Lab Sample ID:	J2924-06	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	0.0052	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/14/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	259-COMP1-SL	SDG No.:	LB95386
Lab Sample ID:	J2925-03	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	0.0031	U	1	0.025		0.05	mg/Kg	05/16/2018	05/16/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/14/2018 12:00:00 AM
Project:	LB95386	Date Received:	5/15/2018 12:00:00 AM
Client Sample ID:	259-COMP1-SL	SDG No.:	LB95386
Lab Sample ID:	J2925-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB95386

SDG No.: LB95386

Contract: _____

Lab Code: CHEM

Case No.: LB95386

SAS No.: LB95386

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Reactive Cyanide	0.095	0.099	96		85 - 115		05/16/2018	11:49	lb95386



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95386

SDG No.: LB95386

Contract: _____ Lab Code: CHEM

Case No.: LB95386

SAS No.: LB95386

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.24	0.25	96		90 - 110		05/16/2018	11:49	lb95386
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		05/16/2018	11:56	lb95386
CCV3	Reactive Cyanide	0.24	0.25	96		90 - 110		05/16/2018	11:56	lb95386



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95386

SDG No.: LB95386

Contract:

Lab Code: CHEM

Case No.: LB95386

SAS No.: LB95386

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00098	+/-0.005	U		0.005		05/16/2018	11:49	lb95386

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00098	+/-0.005	U		0.005		05/16/2018	11:49	lb95386
CCB2	Reactive Cyanide	0.0009	+/-0.005	U		0.005		05/16/2018	11:56	lb95386
CCB3	Reactive Cyanide	-0	+/-0.005	U		0.005		05/16/2018	11:59	lb95386



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB95386	SDG No.:	LB95386				
Contract:		Lab Code:	CHEM	Case No.:	LB95386	SAS No.:	LB95386

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: LB95386

SDG No.: LB95386

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
PB109319BL	Reactive Cyanide	SOLID		Batch Number:		PB109319		Prep Date:	05/16/2018	
		0.0099	<0.05	U		0.05		05/16/2018	11:49	lb95386
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB109320BL	Reactive Cyanide	WATER		Batch Number:		PB109320		Prep Date:	05/16/2018	
		0.00077	<0.005	U		0.005		05/16/2018	11:56	lb95386

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DUPLICATE SAMPLE SUMMARY

Client: LB95386 **Level:** LOW **SDG No.:** LB95386
Contract: **Lab Code:** CHEM **Case No.:** LB95386 **SAS No.:** LB95386
Matrix: Solid **Sample ID:** J2361-03 **Client ID:** JC-RT-4763-OILY-WIPESDUP
Percent Solids for Sample: 100 **Duplicate ID** J2361-03DUP **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	0.003	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB95386 **Level:** LOW **SDG No.:** LB95386
Contract: **Lab Code:** CHEM **Case No.:** LB95386 **SAS No.:** LB95386
Matrix: WATER **Sample ID:** J2519-03 **Client ID:** OILY-WATER-TOTEDUP
Percent Solids for Sample: 0 **Duplicate ID** J2519-03DUP **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	-0.00011	U			