

Daily Analysis Runlog For Sequence/QC Batch ID # LB96016

Review By		Review On				
SubDirectory		LB96016		Test : Reactive Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP65262,WP65263,WP65264,WP65265,WP65266,WP65267,WP65268
ICV Standard	WP65270
CCV Standard	WP65269
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP65271,WP64695,WP64696

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/14/18 10:10		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/14/18 10:10		OK
3	10PPBCN	10PPBCN	CAL3	06/14/18 10:10		OK
4	50PPBCN	50PPBCN	CAL4	06/14/18 10:10		OK
5	100PPBCN	100PPBCN	CAL5	06/14/18 10:10		OK
6	250PPBCN	250PPBCN	CAL6	06/14/18 10:10		OK
7	500PPBCN	500PPBCN	CAL7	06/14/18 10:10		OK
8	ICV1	ICV1	ICV	06/14/18 15:14		OK
9	ICB1	ICB1	ICB	06/14/18 15:14		OK
10	CCV1	CCV1	CCV	06/14/18 15:14		OK
11	CCB1	CCB1	CCB	06/14/18 15:14		OK
12	PB110259BL	PB110259BL	MB	06/14/18 15:14		OK
13	J3490-04	CONCRETE-BASE	SAM	06/14/18 15:14		OK
14	J3490-04DUP	CONCRETE-BASED	DUP	06/14/18 15:14		OK
15	J3493-02	WC-1	SAM	06/14/18 15:14		OK
16	J3498-12	TP-E-S	SAM	06/14/18 15:14		OK
17	J3498-16	TP-D-S	SAM	06/14/18 15:14		OK
18	J3501-04	TP-10-S	SAM	06/14/18 15:14		OK
19	J3501-08	TP-10-D	SAM	06/14/18 15:22		OK
20	J3501-12	TP-9	SAM	06/14/18 15:22		OK
21	PB110258BL	PB110258BL	MB	06/14/18 15:22		OK

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STD. NAME		STD REF.#				
ICAL Standard		WP65262,WP65263,WP65264,WP65265,WP65266,WP65267,WP65268				
ICV Standard		WP65270				
CCV Standard		WP65269				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65271,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/14/18 15:22		OK
23	CCB2	CCB2	CCB	06/14/18 15:22		OK
24	J3469-02	OILY-WATER	SAM	06/14/18 15:22		OK
25	J3469-02DUP	OILY-WATERDUP	DUP	06/14/18 15:22		OK
26	J3485-08	IDW-GW-06132018	SAM	06/14/18 15:22		OK
27	J3497-02	CAS1-WC-L-01	SAM	06/14/18 15:22		OK
28	CCV3	CCV3	CCV	06/14/18 15:22		OK
29	CCB3	CCB3	CCB	06/14/18 15:22		OK



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	OILY-WATER	SDG No.:	LB96016
Lab Sample ID:	J3469-02	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	0.00032	U	1	0.0025		0.005	mg/L	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	IDW-GW-06132018	SDG No.:	LB96016
Lab Sample ID:	J3485-08	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	0.0001	U	1	0.0025		0.005	mg/L	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	CONCRETE-BASE	SDG No.:	LB96016
Lab Sample ID:	J3490-04	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	0.0064	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	LB96016
Lab Sample ID:	J3493-02	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	-0.0054	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	CAS1-WC-L-01	SDG No.:	LB96016
Lab Sample ID:	J3497-02	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	0.00099	U	1	0.0025		0.005	mg/L	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	TP-E-S	SDG No.:	LB96016
Lab Sample ID:	J3498-12	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	-0.0069	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	TP-D-S	SDG No.:	LB96016
Lab Sample ID:	J3498-16	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	0.004	U	1	0.025		0.049	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	TP-10-S	SDG No.:	LB96016
Lab Sample ID:	J3501-04	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	0.00022	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	TP-10-D	SDG No.:	LB96016
Lab Sample ID:	J3501-08	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	-0.0011	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	TP-9	SDG No.:	LB96016
Lab Sample ID:	J3501-12	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	-0.00096	U	1	0.025		0.05	mg/Kg	06/14/2018	06/14/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96016	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	TP-9	SDG No.:	LB96016
Lab Sample ID:	J3501-12	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96016

SDG No.: LB96016

Contract: _____ Lab Code: CHEM

Case No.: LB96016

SAS No.: LB96016

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	0.096	0.099	97		85 - 115		06/14/2018	15:14	LB96016



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96016

SDG No.: LB96016

Contract: _____ Lab Code: CHEM

Case No.: LB96016

SAS No.: LB96016

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	0.25	0.25	100		90 - 110		06/14/2018	15:14	LB96016
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		06/14/2018	15:22	LB96016
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		06/14/2018	15:22	LB96016



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96016

SDG No.: LB96016

Contract:

Lab Code: CHEM

Case No.: LB96016

SAS No.: LB96016

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0004	+/-0.005	U		0.005		06/14/2018	15:14	LB96016

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0	+/-0.005	U		0.005		06/14/2018	15:14	LB96016
CCB2	Reactive Cyanide	-0.00051	+/-0.005	U		0.005		06/14/2018	15:22	LB96016
CCB3	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		06/14/2018	15:22	LB96016



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB96016	SDG No.:	LB96016				
Contract:		Lab Code:	CHEM	Case No.:	LB96016	SAS No.:	LB96016

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: LB96016

SDG No.: LB96016

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
PB110258BL	Reactive Cyanide	WATER		Batch Number:		PB110258		Prep Date:	06/14/2018	
		0.0012	<0.005	U		0.005		06/14/2018	15:22	LB96016
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB110259BL	Reactive Cyanide	SOLID		Batch Number:		PB110259		Prep Date:	06/14/2018	
		0.0058	<0.05	U		0.05		06/14/2018	15:14	LB96016

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DUPLICATE SAMPLE SUMMARY

Client: LB96016 **Level:** LOW **SDG No.:** LB96016
Contract: **Lab Code:** CHEM **Case No.:** LB96016 **SAS No.:** LB96016
Matrix: WATER **Sample ID:** J3469-02 **Client ID:** OILY-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J3469-02DUP **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	-0.00017	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB96016 **Level:** LOW **SDG No.:** LB96016
Contract: **Lab Code:** CHEM **Case No.:** LB96016 **SAS No.:** LB96016
Matrix: Solid **Sample ID:** J3490-04 **Client ID:** CONCRETE-BASEDUP
Percent Solids for Sample: 100 **Duplicate ID** J3490-04DUP **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	0.015	U			