

Daily Analysis Runlog For Sequence/QC Batch ID # LB93172

Review By		Review On				
SubDirectory		LB93172		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61715,WP61716,WP61717,WP61718,WP61719,WP61720,WP61721				
ICV Standard		WP61723				
CCV Standard		WP61722				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61725,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/08/18 10:01		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/08/18 10:01		OK
3	10PPBCN	10PPBCN	CAL3	02/08/18 10:01		OK
4	50PPBCN	50PPBCN	CAL4	02/08/18 10:01		OK
5	100PPBCN	100PPBCN	CAL5	02/08/18 10:01		OK
6	250PPBCN	250PPBCN	CAL6	02/08/18 10:01		OK
7	500PPBCN	500PPBCN	CAL7	02/08/18 10:01		OK
8	ICV1	ICV1	ICV	02/08/18 14:23		OK
9	ICB1	ICB1	ICB	02/08/18 14:23		OK
10	CCV1	CCV1	CCV	02/08/18 14:23		OK
11	CCB1	CCB1	CCB	02/08/18 14:23		OK
12	PB106398BL	PB106398BL	MB	02/08/18 14:23		OK
13	J1404-02	TR-05-020718	SAM	02/08/18 14:23		OK
14	J1404-02DUP	TR-05-020718DUP	DUP	02/08/18 14:23		OK
15	J1461-01	CHASSIS-WASH	SAM	02/08/18 14:30		OK
16	J1461-02	BUS-WASH	SAM	02/08/18 14:30		OK
17	J1461-03	OIL-WATER-SEPER	SAM	02/08/18 14:30		OK
18	J1461-04	RECLAIMER-SLUDGE	SAM	02/08/18 14:30		OK
19	J1485-02	RO-201	SAM	02/08/18 14:30		OK
20	J1485-04	RO-215	SAM	02/08/18 14:30		OK
21	PB106400BL	PB106400BL	MB	02/08/18 14:30		OK

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SubDirectory		Test : Reactive Cyanide				
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ICV Standard	WP61723					
CCV Standard	WP61722					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP61725,WP59958,WP60878					
22	CCV2	CCV2	CCV	02/08/18 14:30		OK
23	CCB2	CCB2	CCB	02/08/18 14:30		OK
24	J1490-07	265578-SEGMENT-2	SAM	02/08/18 14:30		OK
25	J1490-07DUP	265578-SEGMENT-2	DUP	02/08/18 14:30		OK
26	CCV3	CCV3	CCV	02/08/18 14:34		OK
27	CCB3	CCB3	CCB	02/08/18 14:34		OK



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Report of Analysis

Client:		Date Collected:	2/7/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/7/2018 12:00:00 AM
Client Sample ID:	TR-05-020718	SDG No.:	LB93172
Lab Sample ID:	J1404-02	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	0.0036	U	1	0.025		0.05	mg/Kg	02/08/2018	02/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/5/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	CHASSIS-WASH	SDG No.:	LB93172
Lab Sample ID:	J1461-01	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	0.0048	U	1	0.025		0.05	mg/Kg	02/08/2018	02/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/5/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	BUS-WASH	SDG No.:	LB93172
Lab Sample ID:	J1461-02	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	0.0059	U	1	0.025		0.05	mg/Kg	02/08/2018	02/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/5/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	OIL-WATER-SEPERATOR	SDG No.:	LB93172
Lab Sample ID:	J1461-03	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	0.006	U	1	0.025		0.05	mg/Kg	02/08/2018	02/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/5/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/6/2018 12:00:00 AM
Client Sample ID:	RECLAIMER-SLUDGE-PIT	SDG No.:	LB93172
Lab Sample ID:	J1461-04	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	0.0043	U	1	0.025		0.05	mg/Kg	02/08/2018	02/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/7/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/7/2018 12:00:00 AM
Client Sample ID:	RO-201	SDG No.:	LB93172
Lab Sample ID:	J1485-02	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	0.0062	U	1	0.025		0.05	mg/Kg	02/08/2018	02/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/7/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/7/2018 12:00:00 AM
Client Sample ID:	RO-215	SDG No.:	LB93172
Lab Sample ID:	J1485-04	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	0.0046	U	1	0.025		0.05	mg/Kg	02/08/2018	02/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/7/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/7/2018 12:00:00 AM
Client Sample ID:	265578-SEGMENT-2C	SDG No.:	LB93172
Lab Sample ID:	J1490-07	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	0.00055	U	1	0.0025		0.005	mg/L	02/08/2018	02/08/2018	9012B



Report of Analysis

Client:		Date Collected:	2/7/2018 12:00:00 AM
Project:	LB93172	Date Received:	2/7/2018 12:00:00 AM
Client Sample ID:	265578-SEGMENT-2C	SDG No.:	LB93172
Lab Sample ID:	J1490-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: LB93172

SDG No.: LB93172

Contract: _____

Lab Code: CHEM

Case No.: LB93172

SAS No.: LB93172

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	0.097	0.099	98		85 - 115		02/08/2018	14:23	lb93172



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93172

SDG No.: LB93172

Contract: _____ Lab Code: CHEM

Case No.: LB93172

SAS No.: LB93172

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		02/08/2018	14:23	lb93172
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		02/08/2018	14:30	lb93172
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		02/08/2018	14:34	lb93172



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93172

SDG No.: LB93172

Contract:

Lab Code: CHEM

Case No.: LB93172

SAS No.: LB93172

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00057	+/-0.005	U		0.005		02/08/2018	14:23	lb93172

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00038	+/-0.005	U		0.005		02/08/2018	14:23	lb93172
CCB2	Reactive Cyanide	0.00071	+/-0.005	U		0.005		02/08/2018	14:30	lb93172
CCB3	Reactive Cyanide	0.00028	+/-0.005	U		0.005		02/08/2018	14:34	lb93172



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93172

SDG No.: LB93172

Contract: Lab Code: CHEM

Case No.: LB93172

SAS No.: LB93172

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: LB93172

SDG No.: LB93172

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
PB106398BL	Reactive Cyanide	SOLID		Batch Number:		PB106398		Prep Date:	02/08/2018	
		0.0031	<0.05	U		0.05		02/08/2018	14:23	lb93172
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB106400BL	Reactive Cyanide	WATER		Batch Number:		PB106400		Prep Date:	02/08/2018	
		0.00063	<0.005	U		0.005		02/08/2018	14:30	lb93172

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DUPLICATE SAMPLE SUMMARY

Client: LB93172 **Level:** LOW **SDG No.:** LB93172
Contract: **Lab Code:** CHEM **Case No.:** LB93172 **SAS No.:** LB93172
Matrix: Solid **Sample ID:** J1404-02 **Client ID:** TR-05-020718DUP
Percent Solids for Sample: 100 **Duplicate ID** J1404-02DUP **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	0.0037	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93172 **Level:** LOW **SDG No.:** LB93172
Contract: **Lab Code:** CHEM **Case No.:** LB93172 **SAS No.:** LB93172
Matrix: WATER **Sample ID:** J1490-07 **Client ID:** 265578-SEGMENT-2CDUP
Percent Solids for Sample: 0 **Duplicate ID** J1490-07DUP **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	0.00054	U			