

Daily Analysis Runlog For Sequence/QC Batch ID # LB92729

Review By		Review On				
SubDirectory		LB92729		Test : Reactive Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP61101,WP61102,WP61103,WP61104,WP61105,WP61106,WP61107
ICV Standard	WP61109
CCV Standard	WP61108
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP61110,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/19/18 10:18		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/19/18 10:18		OK
3	10PPBCN	10PPBCN	CAL3	01/19/18 10:18		OK
4	50PPBCN	50PPBCN	CAL4	01/19/18 10:18		OK
5	100PPBCN	100PPBCN	CAL5	01/19/18 10:18		OK
6	250PPBCN	250PPBCN	CAL6	01/19/18 10:18		OK
7	500PPBCN	500PPBCN	CAL7	01/19/18 10:18		OK
8	ICV1	ICV1	ICV	01/19/18 14:26		OK
9	ICB1	ICB1	ICB	01/19/18 14:26		OK
10	CCV1	CCV1	CCV	01/19/18 14:26		OK
11	CCB1	CCB1	CCB	01/19/18 14:26		OK
12	PB105798BL	PB105798BL	MB	01/19/18 14:26		OK
13	J1186-01	OWS-1	SAM	01/19/18 14:26		OK
14	J1186-01DUP	OWS-1DUP	DUP	01/19/18 14:26		OK
15	J1186-02	OWS-2	SAM	01/19/18 14:33		OK
16	J1186-03	OWS-3	SAM	01/19/18 14:33		OK
17	J1186-04	OWS-4	SAM	01/19/18 14:33		OK
18	J1186-05	OWS-5	SAM	01/19/18 14:33		OK
19	J1186-06	OWS-6	SAM	01/19/18 14:33		OK
20	J1188-01	OWS-1	SAM	01/19/18 14:33		OK
21	J1188-02	OWS-2	SAM	01/19/18 14:33		OK



Instrument ID : KONELAB

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

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SubDirectory		Test : Reactive Cyanide				
LB92729						
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ICAL Standard	WP61101,WP61102,WP61103,WP61104,WP61105,WP61106,WP61107					
ICV Standard	WP61109					
CCV Standard	WP61108					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP61110,WP59958,WP60878					
22	CCV2	CCV2	CCV	01/19/18 14:48		OK
23	CCB2	CCB2	CCB	01/19/18 15:03		OK



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-1	SDG No.:	LB92729
Lab Sample ID:	J1186-01	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	-0.0018	U	1	0.025		0.05	mg/Kg	01/19/2018	01/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-2	SDG No.:	LB92729
Lab Sample ID:	J1186-02	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	-0.00072	U	1	0.025		0.05	mg/Kg	01/19/2018	01/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-3	SDG No.:	LB92729
Lab Sample ID:	J1186-03	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	-0.0019	U	1	0.025		0.05	mg/Kg	01/19/2018	01/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-4	SDG No.:	LB92729
Lab Sample ID:	J1186-04	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	-0.0036	U	1	0.025		0.05	mg/Kg	01/19/2018	01/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-5	SDG No.:	LB92729
Lab Sample ID:	J1186-05	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	01/19/2018	01/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-6	SDG No.:	LB92729
Lab Sample ID:	J1186-06	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	-0.0021	U	1	0.025		0.05	mg/Kg	01/19/2018	01/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-1	SDG No.:	LB92729
Lab Sample ID:	J1188-01	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	-0.0022	U	1	0.025		0.05	mg/Kg	01/19/2018	01/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-2	SDG No.:	LB92729
Lab Sample ID:	J1188-02	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	-0.0031	U	1	0.025		0.05	mg/Kg	01/19/2018	01/19/2018	9012B



Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB92729	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	OWS-2	SDG No.:	LB92729
Lab Sample ID:	J1188-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB92729

SDG No.: LB92729

Contract: _____ Lab Code: CHEM

Case No.: LB92729

SAS No.: LB92729

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		01/19/2018	14:26	LB92729



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92729

SDG No.: LB92729

Contract: _____ Lab Code: CHEM

Case No.: LB92729

SAS No.: LB92729

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		01/19/2018	14:26	LB92729
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		01/19/2018	14:48	LB92729



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92729 **SDG No.:** LB92729
Contract: **Lab Code:** CHEM **Case No.:** LB92729 **SAS No.:** LB92729

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		01/19/2018	14:26	LB92729



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92729

SDG No.: LB92729

Contract:

Lab Code: CHEM

Case No.: LB92729

SAS No.: LB92729

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0005	+/-0.005	U		0.005		01/19/2018	14:26	LB92729
CCB2	Reactive Cyanide	-0.00051	+/-0.005	U		0.005		01/19/2018	15:03	LB92729



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92729

SDG No.: LB92729

Contract: Lab Code: CHEM

Case No.: LB92729

SAS No.: LB92729

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: LB92729

SDG No.: LB92729

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
PB105798BL	Reactive Cyanide	SOLID 0.0055	<0.05	Batch Number: U		PB105798 0.05		Prep Date: 01/19/2018	01/19/2018 14:26	LB92729

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92729 **Level:** LOW **SDG No.:** LB92729
Contract: **Lab Code:** CHEM **Case No.:** LB92729 **SAS No.:** LB92729
Matrix: Solid **Sample ID:** J1186-01 **Client ID:** OWS-1DUP
Percent Solids for Sample: 100 **Duplicate ID** J1186-01DUP **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	-0.001	U			