

Daily Analysis Runlog For Sequence/QC Batch ID # LB92508

Review By		Review On				
SubDirectory		LB92508		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60770,WP60771,WP60772,WP60773,WP60774,WP60775,WP60776				
ICV Standard		WP60778				
CCV Standard		WP60777				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60779,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/08/18 09:41		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/08/18 09:41		OK
3	10PPBCN	10PPBCN	CAL3	01/08/18 09:41		OK
4	50PPBCN	50PPBCN	CAL4	01/08/18 09:41		OK
5	100PPBCN	100PPBCN	CAL5	01/08/18 09:41		OK
6	250PPBCN	250PPBCN	CAL6	01/08/18 09:41		OK
7	500PPBCN	500PPBCN	CAL7	01/08/18 09:41		OK
8	ICV1	ICV1	ICV	01/08/18 11:09		OK
9	ICB1	ICB1	ICB	01/08/18 11:10		OK
10	CCV1	CCV1	CCV	01/08/18 11:10		OK
11	CCB1	CCB1	CCB	01/08/18 11:10		OK
12	PB105507BL	PB105507BL	MB	01/08/18 11:10		OK
13	J1027-02	RBR251608	SAM	01/08/18 11:10		OK
14	J1027-02DUP	RBR251608DUP	DUP	01/08/18 11:10		OK
15	J1027-04	RBR251588	SAM	01/08/18 11:16		OK
16	J1027-06	RBR251678	SAM	01/08/18 11:16		OK
17	J1032-01	OWS-1	SAM	01/08/18 11:16		OK
18	J1032-02	OWS-2	SAM	01/08/18 11:16		OK
19	J1032-03	OWS-3	SAM	01/08/18 11:16		OK
20	J1032-04	OWS-4	SAM	01/08/18 11:16		OK
21	CCV2	CCV2	CCV	01/08/18 11:16		OK



Instrument ID : KONELAB

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

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CCV Standard	WP60777					
ICSA Standard	N/A					
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LCS Standard	N/A					
Chk Standard	WP60779,WP59958,WP60150					
22	CCB2	CCB2	CCB	01/08/18 11:16		OK



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Report of Analysis

Client:		Date Collected:	1/3/2018 12:00:00 AM
Project:	LB92508	Date Received:	1/3/2018 12:00:00 AM
Client Sample ID:	RBR251608	SDG No.:	LB92508
Lab Sample ID:	J1027-02	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	0.0005	U	1	0.025		0.05	mg/Kg	01/08/2018	01/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/3/2018 12:00:00 AM
Project:	LB92508	Date Received:	1/3/2018 12:00:00 AM
Client Sample ID:	RBR251588	SDG No.:	LB92508
Lab Sample ID:	J1027-04	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	-0.00025	U	1	0.025		0.05	mg/Kg	01/08/2018	01/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/3/2018 12:00:00 AM
Project:	LB92508	Date Received:	1/3/2018 12:00:00 AM
Client Sample ID:	RBR251678	SDG No.:	LB92508
Lab Sample ID:	J1027-06	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	0.00064	U	1	0.025		0.05	mg/Kg	01/08/2018	01/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92508	Date Received:	1/3/2018 12:00:00 AM
Client Sample ID:	OWS-1	SDG No.:	LB92508
Lab Sample ID:	J1032-01	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	0.00015	U	1	0.025		0.05	mg/Kg	01/08/2018	01/08/2018	9012B

Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92508	Date Received:	1/3/2018 12:00:00 AM
Client Sample ID:	OWS-2	SDG No.:	LB92508
Lab Sample ID:	J1032-02	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	-0.00051	U	1	0.025		0.05	mg/Kg	01/08/2018	01/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92508	Date Received:	1/3/2018 12:00:00 AM
Client Sample ID:	OWS-3	SDG No.:	LB92508
Lab Sample ID:	J1032-03	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	0.0023	U	1	0.025		0.05	mg/Kg	01/08/2018	01/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92508	Date Received:	1/3/2018 12:00:00 AM
Client Sample ID:	OWS-4	SDG No.:	LB92508
Lab Sample ID:	J1032-04	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	0.0017	U	1	0.025		0.05	mg/Kg	01/08/2018	01/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/2/2018 12:00:00 AM
Project:	LB92508	Date Received:	1/3/2018 12:00:00 AM
Client Sample ID:	OWS-4	SDG No.:	LB92508
Lab Sample ID:	J1032-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Reactive Cyanide	0.097	0.099	98	0	85 - 115		01/08/2018	11:09	LB92508



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92508

SDG No.: LB92508

Contract: _____ Lab Code: CHEM

Case No.: LB92508

SAS No.: LB92508

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		01/08/2018	11:10	LB92508
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		01/08/2018	11:16	LB92508



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92508

SDG No.: LB92508

Contract:

Lab Code: CHEM

Case No.: LB92508

SAS No.: LB92508

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00051	+/-0.005	U		0.005		01/08/2018	11:10	LB92508

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00046	+/-0.005	U		0.005		01/08/2018	11:10	LB92508
CCB2	Reactive Cyanide	0.00066	+/-0.005	U		0.005		01/08/2018	11:16	LB92508



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB92508

SDG No.:

LB92508

Contract:

Lab Code:

CHEM

Case No.:

LB92508

SAS No.:

LB92508

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: LB92508

SDG No.: LB92508

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
PB105507BL	Reactive Cyanide	SOLID 0.0048	<0.05	Batch Number: U		PB105507 0.05		Prep Date: 01/08/2018	01/08/2018 11:10	LB92508

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92508 **Level:** LOW **SDG No.:** LB92508
Contract: **Lab Code:** CHEM **Case No.:** LB92508 **SAS No.:** LB92508
Matrix: Solid **Sample ID:** J1027-02 **Client ID:** RBR251608DUP
Percent Solids for Sample: 100 **Duplicate ID** J1027-02DUP **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	-0.0022	U			