

Daily Analysis Runlog For Sequence/QC Batch ID # LB93218

Review By		Review On				
SubDirectory		LB93218		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61806,WP61807,WP61808,WP61809,WP61810,WP61811,WP61815				
ICV Standard		WP61813				
CCV Standard		WP61812				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61814,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/12/18 08:50		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/12/18 08:50		OK
3	10PPBCN	10PPBCN	CAL3	02/12/18 08:50		OK
4	50PPBCN	50PPBCN	CAL4	02/12/18 08:50		OK
5	100PPBCN	100PPBCN	CAL5	02/12/18 08:50		OK
6	250PPBCN	250PPBCN	CAL6	02/12/18 08:50		OK
7	500PPBCN	500PPBCN	CAL7	02/12/18 08:50		OK
8	ICV1	ICV1	ICV	02/12/18 13:01		OK
9	ICB1	ICB1	ICB	02/12/18 13:01		OK
10	CCV1	CCV1	CCV	02/12/18 13:01		OK
11	CCB1	CCB1	CCB	02/12/18 13:01		OK
12	PB106461BL	PB106461BL	MB	02/12/18 13:01		OK
13	J1516-04	WAVE-1	SAM	02/12/18 13:01		OK
14	J1516-04DUP	WAVE-1DUP	DUP	02/12/18 13:01		OK
15	J1517-02	CO-E	SAM	02/12/18 13:01		OK
16	J1517-04	CO-M	SAM	02/12/18 13:01		OK
17	J1517-06	CO-W	SAM	02/12/18 13:01		OK
18	J1517-14	TP-1	SAM	02/12/18 13:01		OK
19	J1517-22	TP-2	SAM	02/12/18 13:08		OK
20	J1520-03	OILY-STONES	SAM	02/12/18 13:08		OK
21	J1526-03	RO-1-2	SAM	02/12/18 13:08		OK

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

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SubDirectory		Test : Reactive Cyanide				
LB93218						
STD. NAME		STD REF.#				
ICAL Standard		WP61806,WP61807,WP61808,WP61809,WP61810,WP61811,WP61815				
ICV Standard		WP61813				
CCV Standard		WP61812				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP61814,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/12/18 13:08		OK
23	CCB2	CCB2	CCB	02/12/18 13:08		OK
24	PB106462BL	PB106462BL	MB	02/12/18 13:08		OK
25	J1527-02	OILY-WATER	SAM	02/12/18 13:08		OK
26	J1527-02DUP	OILY-WATERDUP	DUP	02/12/18 13:08		OK
27	CCV3	CCV3	CCV	02/12/18 13:08		OK
28	CCB3	CCB3	CCB	02/12/18 13:08		OK

Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	WAVE-1	SDG No.:	LB93218
Lab Sample ID:	J1516-04	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	-0.0063	U	1	0.025		0.05	mg/Kg	02/12/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	CO-E	SDG No.:	LB93218
Lab Sample ID:	J1517-02	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	-0.0049	U	1	0.025		0.05	mg/Kg	02/12/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	CO-M	SDG No.:	LB93218
Lab Sample ID:	J1517-04	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	-0.0057	U	1	0.025		0.05	mg/Kg	02/12/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	CO-W	SDG No.:	LB93218
Lab Sample ID:	J1517-06	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	02/12/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB93218
Lab Sample ID:	J1517-14	Matrix:	Solid
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0026	U	1	0.025		0.049	mg/Kg	02/12/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB93218
Lab Sample ID:	J1517-22	Matrix:	Solid
Level (low/med):	low	% Solid:	78.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0086	U	1	0.025		0.05	mg/Kg	02/12/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB93218
Lab Sample ID:	J1520-03	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	-0.0054	U	1	0.025		0.05	mg/Kg	02/12/2018	02/12/2018	9012B

Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	RO-1-2	SDG No.:	LB93218
Lab Sample ID:	J1526-03	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	-0.0034	U	1	0.025		0.05	mg/Kg	02/12/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	OILY-WATER	SDG No.:	LB93218
Lab Sample ID:	J1527-02	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	-0.00056	U	1	0.0025		0.005	mg/L	02/12/2018	02/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/9/2018 12:00:00 AM
Project:	LB93218	Date Received:	2/9/2018 12:00:00 AM
Client Sample ID:	OILY-WATER	SDG No.:	LB93218
Lab Sample ID:	J1527-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93218

SDG No.: LB93218

Contract: _____

Lab Code: CHEM

Case No.: LB93218

SAS No.: LB93218

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		02/12/2018	13:01	lb93218



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93218

SDG No.: LB93218

Contract: _____ Lab Code: CHEM

Case No.: LB93218

SAS No.: LB93218

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		02/12/2018	13:01	lb93218
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		02/12/2018	13:08	lb93218
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		02/12/2018	13:08	lb93218



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93218 **SDG No.:** LB93218
Contract: **Lab Code:** CHEM **Case No.:** LB93218 **SAS No.:** LB93218

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		02/12/2018	13:01	lb93218

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		02/12/2018	13:01	1b93218
CCB2	Reactive Cyanide	-0.00067	+/-0.005	U		0.005		02/12/2018	13:08	1b93218
CCB3	Reactive Cyanide	-0.00048	+/-0.005	U		0.005		02/12/2018	13:08	1b93218



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93218

SDG No.: LB93218

Contract: Lab Code: CHEM

Case No.: LB93218

SAS No.: LB93218

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: LB93218

SDG No.: LB93218

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
PB106461BL	Reactive Cyanide	SOLID	<0.05	Batch Number:	PB106461			Prep Date:	02/12/2018	
		-0.0034		U	0.05			02/12/2018	13:01	lb93218
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB106462BL	Reactive Cyanide	WATER	<0.005	Batch Number:	PB106462			Prep Date:	02/12/2018	
		-0.00045		U	0.005			02/12/2018	13:08	lb93218

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DUPLICATE SAMPLE SUMMARY

Client: LB93218 **Level:** LOW **SDG No.:** LB93218
Contract: **Lab Code:** CHEM **Case No.:** LB93218 **SAS No.:** LB93218
Matrix: Solid **Sample ID:** J1516-04 **Client ID:** WAVE-1DUP
Percent Solids for Sample: 100 **Duplicate ID** J1516-04DUP **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	-0.0054	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93218 **Level:** LOW **SDG No.:** LB93218
Contract: **Lab Code:** CHEM **Case No.:** LB93218 **SAS No.:** LB93218
Matrix: WATER **Sample ID:** J1527-02 **Client ID:** OILY-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J1527-02DUP **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			