

Daily Analysis Runlog For Sequence/QC Batch ID # LB95959

Review By		Review On				
SubDirectory		LB95959		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65208,WP65209,WP65210,WP65211,WP65212,WP65213,WP65214				
ICV Standard		W1542				
CCV Standard		WP65215				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65217,WP64695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/12/18 08:13		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/12/18 08:13		OK
3	10PPBCN	10PPBCN	CAL3	06/12/18 08:13		OK
4	50PPBCN	50PPBCN	CAL4	06/12/18 08:13		OK
5	100PPBCN	100PPBCN	CAL5	06/12/18 08:13		OK
6	250PPBCN	250PPBCN	CAL6	06/12/18 08:13		OK
7	500PPBCN	500PPBCN	CAL7	06/12/18 08:13		OK
8	ICV1	ICV1	ICV	06/12/18 15:15		OK
9	ICB1	ICB1	ICB	06/12/18 15:15		OK
10	CCV1	CCV1	CCV	06/12/18 15:15		OK
11	CCB1	CCB1	CCB	06/12/18 15:15		OK
12	PB110167BL	PB110167BL	MB	06/12/18 15:15		OK
13	PB110167BS	PB110167BS	LCS	06/12/18 15:15		OK
14	LOWPB110167	LOWPB110167	SAM	06/12/18 15:15		OK
15	HIGHPB110167	HIGHPB110167	SAM	06/12/18 15:15		OK
16	J2979-01	STONE-DUST-CANV	SAM	06/12/18 15:15		OK
17	J2979-01DUP	STONE-DUST-CANV	DUP	06/12/18 15:15		OK
18	J3245-03	CL-01-061118-B	SAM	06/12/18 15:23		OK
19	CCV2	CCV2	CCV	06/12/18 15:23		OK
20	CCB2	CCB2	CCB	06/12/18 15:23		OK
21	J3245-05	CL-01-061118-C	SAM	06/12/18 15:23		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB95959

Review By		Review On				
SubDirectory		Test : Cyanide				
LB95959						
STD. NAME		STD REF.#				
ICAL Standard		WP65208,WP65209,WP65210,WP65211,WP65212,WP65213,WP65214				
ICV Standard		W1542				
CCV Standard		WP65215				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65217,WP64695,WP64696				
22	J3245-07	CL-01-061118-D	SAM	06/12/18 15:23		OK
23	J3247-03	OR-03-061118	SAM	06/12/18 15:23		OK
24	J3429-01	OILY-STONES	SAM	06/12/18 15:23		OK
25	J3440-01	CAS1-SB-02-25-57	SAM	06/12/18 15:23		OK
26	CCV3	CCV3	CCV	06/12/18 15:27		OK
27	CCB3	CCB3	CCB	06/12/18 15:27		OK
28	J2979-01MS	STONE-DUST-CANV	MS	06/12/18 16:06		OK
29	J2979-01MSD	STONE-DUST-CANV	MSD	06/12/18 16:06		OK
30	J3245-01	CL-01-061118-A	SAM	06/12/18 16:06		OK
31	CCV4	CCV4	CCV	06/12/18 16:23		OK
32	CCB4	CCB4	CCB	06/12/18 16:24		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	
Project:	LB95959	Date Received:	
Client Sample ID:	HIGHPB110167	SDG No.:	LB95959
Lab Sample ID:	HIGHPB110167	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.49		1	0.003		0.005	mg/L		06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB95959	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	STONE-DUST-CANVAS-BAGS	SDG No.:	LB95959
Lab Sample ID:	J2979-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.035	J	1	0.034		0.26	mg/Kg	06/12/2018	06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB95959	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	CL-01-061118-A	SDG No.:	LB95959
Lab Sample ID:	J3245-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.035		0.27	mg/Kg	06/12/2018	06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB95959	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	CL-01-061118-B	SDG No.:	LB95959
Lab Sample ID:	J3245-03	Matrix:	Solid
Level (low/med):	low	% Solid:	94.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.068	J	1	0.033		0.25	mg/Kg	06/12/2018	06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB95959	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	CL-01-061118-C	SDG No.:	LB95959
Lab Sample ID:	J3245-05	Matrix:	Solid
Level (low/med):	low	% Solid:	90.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.062	J	1	0.034		0.26	mg/Kg	06/12/2018	06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB95959	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	CL-01-061118-D	SDG No.:	LB95959
Lab Sample ID:	J3245-07	Matrix:	Solid
Level (low/med):	low	% Solid:	96.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.027	U	1	0.033		0.25	mg/Kg	06/12/2018	06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB95959	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	OR-03-061118	SDG No.:	LB95959
Lab Sample ID:	J3247-03	Matrix:	Solid
Level (low/med):	low	% Solid:	93.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.031	U	1	0.034		0.26	mg/Kg	06/12/2018	06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB95959	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB95959
Lab Sample ID:	J3429-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.032		0.25	mg/Kg	06/12/2018	06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB95959	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	CAS1-SB-02-25-57	SDG No.:	LB95959
Lab Sample ID:	J3440-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0068	U	1	0.038		0.29	mg/Kg	06/12/2018	06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	
Project:	LB95959	Date Received:	
Client Sample ID:	LOWPB110167	SDG No.:	LB95959
Lab Sample ID:	LOWPB110167	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.01		1	0.003		0.005	mg/L		06/12/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	
Project:	LB95959	Date Received:	
Client Sample ID:	LOWPB110167	SDG No.:	LB95959
Lab Sample ID:	LOWPB110167	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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

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: LB95959

SDG No.: LB95959

Contract: _____

Lab Code: CHEM

Case No.: LB95959

SAS No.: LB95959

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	Cyanide	0.097	0.099	98		85 - 115		06/12/2018	15:15	LB95959



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95959

SDG No.: LB95959

Contract: _____ Lab Code: CHEM

Case No.: LB95959

SAS No.: LB95959

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	Cyanide	0.25	0.25	100		90 - 110		06/12/2018	15:15	LB95959
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/12/2018	15:23	LB95959
CCV3	Cyanide	0.26	0.25	104		90 - 110		06/12/2018	15:27	LB95959
CCV4	Cyanide	0.26	0.25	104		90 - 110		06/12/2018	16:23	LB95959



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95959

SDG No.: LB95959

Contract:

Lab Code: CHEM

Case No.: LB95959

SAS No.: LB95959

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00024	+/-0.005	U		0.005		06/12/2018	15:15	LB95959



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95959

SDG No.: LB95959

Contract:

Lab Code: CHEM

Case No.: LB95959

SAS No.: LB95959

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00015	+/-0.005	U		0.005		06/12/2018	15:15	LB95959
CCB2	Cyanide	0.0005	+/-0.005	U		0.005		06/12/2018	15:23	LB95959
CCB3	Cyanide	0.00021	+/-0.005	U		0.005		06/12/2018	15:27	LB95959
CCB4	Cyanide	0.00014	+/-0.005	U		0.005		06/12/2018	16:24	LB95959



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95959

SDG No.: LB95959

Contract: Lab Code: CHEM

Case No.: LB95959

SAS No.: LB95959

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
-----------	---------	----------------	---------------------	--------------	-----	------	---	------------------	------------------	---------------



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB95959

SDG No.: LB95959

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
PB110167BL	Cyanide	SOLID -0.00011	<0.25	Batch Number: U		PB110167 0.25		Prep Date: 06/12/2018	06/12/2018 15:15	LB95959



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95959 level: low sdg no.: LB95959
contract: lab code: CHEM case no.: LB95959 sas no.: LB95959
matrix: Solid sample id: J2979-01 client id: STONE-DUST-CANVAS-BAGSMS
Percent Solids for Sample: 93.6 Spiked ID: J2979-01MS Percent Solids for Spike Sample: 93.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.035	J	2.1	89		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95959 level: low sdg no.: LB95959
contract: lab code: CHEM case no.: LB95959 sas no.: LB95959
matrix: Solid sample id: J2979-01 client id: STONE-DUST-CANVAS-BAGSMSD
Percent Solids for Sample: 93.6 Spiked ID: J2979-01MSD Percent Solids for Spike Sample: 93.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.035	J	2.1	89		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95959 **Level:** LOW **SDG No.:** LB95959
Contract: **Lab Code:** CHEM **Case No.:** LB95959 **SAS No.:** LB95959
Matrix: Solid **Sample ID:** J2979-01 **Client ID:** STONE-DUST-CANVAS-BAGSDUP
Percent Solids for Sample: 93.6 **Duplicate ID** J2979-01DUP **Percent Solids for Spike Sample:** 93.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.035	J	0.016	U	200.0	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95959 **Level:** LOW **SDG No.:** LB95959
Contract: **Lab Code:** CHEM **Case No.:** LB95959 **SAS No.:** LB95959
Matrix: Solid **Sample ID:** J2979-01MS **Client ID:** STONE-DUST-CANVAS-BAGSMSD
Percent Solids for Sample: 93.6 **Duplicate ID** J2979-01MSD **Percent Solids for Spike Sample:** 93.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.9		0		

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB110167BS							
Cyanide	mg/Kg	5	4.9		98	85 - 115	