

Daily Analysis Runlog For Sequence/QC Batch ID # LB86949

Review By		Review On				
SubDirectory		LB86949		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP54285,WP54286,WP54287,WP54288,WP54289,WP54290,WP54291,WP54292				
ICV Standard		W1540				
CCV Standard		WP54294				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP51099				
Chk Standard		WP54293,WP51276,WP51626				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/18/17 13:13		
2	5.0PPBCN	5.0PPBCN	CAL2	04/18/17 13:13		
3	10PPBCN	10PPBCN	CAL3	04/18/17 13:13		
4	50PPBCN	50PPBCN	CAL4	04/18/17 13:13		
5	100PPBCN	100PPBCN	CAL5	04/18/17 13:13		
6	250PPBCN	250PPBCN	CAL6	04/18/17 13:13		
7	500PPBCN	500PPBCN	CAL7	04/18/17 13:13		
8	ICV1	ICV1	ICV	04/18/17 13:45		
9	ICB1	ICB1	ICB	04/18/17 13:45		
10	CCV1	CCV1	CCV	04/18/17 13:45		
11	CCB1	CCB1	CCB	04/18/17 13:45		
12	PB98280BL	PB98280BL	MB	04/18/17 13:45		
13	PB98280BS	PB98280BS	LCS	04/18/17 13:45		
14	LOWPB98280	LOWPB98280	SAM	04/18/17 13:45		
15	HIGHPB98280	HIGHPB98280	SAM	04/18/17 13:45		
16	I2685-01	WEST-ORANGE-TO	SAM	04/18/17 13:45		
17	I2685-01DUP	WEST-ORANGE-TO	DUP	04/18/17 13:45		
18	I2685-01MS	WEST-ORANGE-TO	MS	04/18/17 13:52		
19	I2685-01MSD	WEST-ORANGE-TO	MSD	04/18/17 13:52		
20	I2728-01	WC-AGG3-14	SAM	04/18/17 13:52		
21	I2732-01	EME-COMPOST-1	SAM	04/18/17 13:52		

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

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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP51099				
Chk Standard		WP54293,WP51276,WP51626				
22	CCV2	CCV2	CCV	04/18/17 13:52		
23	CCB2	CCB2	CCB	04/18/17 13:52		
24	I2735-01	EME-COMPOST-01	SAM	04/18/17 13:52		
25	I2741-01	WDS-02	SAM	04/18/17 13:52		
26	I2741-03	WS-03	SAM	04/18/17 13:52		
27	CCV3	CCV3	CCV	04/18/17 13:52		
28	CCB3	CCB3	CCB	04/18/17 13:52		



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Report of Analysis

Client:		Date Collected:	
Project:	LB86949	Date Received:	
Client Sample ID:	HIGHPB98280	SDG No.:	LB86949
Lab Sample ID:	HIGHPB98280	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	0.48		1	0.003		0.005	mg/L		04/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	4/13/2017 12:00:00 AM
Project:	LB86949	Date Received:	4/13/2017 12:00:00 AM
Client Sample ID:	WEST-ORANGE-TOPSOIL	SDG No.:	LB86949
Lab Sample ID:	I2685-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0082	U	1	0.035		0.26	mg/Kg	04/18/2017	04/18/2017	9012B

Report of Analysis

Client:		Date Collected:	4/14/2017 12:00:00 AM
Project:	LB86949	Date Received:	4/15/2017 12:00:00 AM
Client Sample ID:	WC-AGG3-14	SDG No.:	LB86949
Lab Sample ID:	I2728-01	Matrix:	Solid
Level (low/med):	low	% Solid:	99.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.09	U	1	0.032		0.24	mg/Kg	04/18/2017	04/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	4/17/2017 12:00:00 AM
Project:	LB86949	Date Received:	4/17/2017 12:00:00 AM
Client Sample ID:	EME-COMPOST-1	SDG No.:	LB86949
Lab Sample ID:	I2732-01	Matrix:	Solid
Level (low/med):	low	% Solid:	47.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.17	U	1	0.067		0.5	mg/Kg	04/18/2017	04/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	4/17/2017 12:00:00 AM
Project:	LB86949	Date Received:	4/17/2017 12:00:00 AM
Client Sample ID:	EME-COMPOST-01	SDG No.:	LB86949
Lab Sample ID:	I2735-01	Matrix:	Solid
Level (low/med):	low	% Solid:	41.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.16	U	1	0.074		0.56	mg/Kg	04/18/2017	04/18/2017	9012B

Report of Analysis

Client:		Date Collected:	4/13/2017 12:00:00 AM
Project:	LB86949	Date Received:	4/14/2017 12:00:00 AM
Client Sample ID:	WDS-02	SDG No.:	LB86949
Lab Sample ID:	I2741-01	Matrix:	Solid
Level (low/med):	low	% Solid:	96.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.074	U	1	0.032		0.25	mg/Kg	04/18/2017	04/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	4/13/2017 12:00:00 AM
Project:	LB86949	Date Received:	4/14/2017 12:00:00 AM
Client Sample ID:	WS-03	SDG No.:	LB86949
Lab Sample ID:	I2741-03	Matrix:	Solid
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.067	U	1	0.037		0.28	mg/Kg	04/18/2017	04/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB86949	Date Received:	
Client Sample ID:	LOWPB98280	SDG No.:	LB86949
Lab Sample ID:	LOWPB98280	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	0.0084		1	0.003		0.005	mg/L		04/18/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB86949	Date Received:	
Client Sample ID:	LOWPB98280	SDG No.:	LB86949
Lab Sample ID:	LOWPB98280	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

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Cyanide	0.096	0.099	97	0	85 - 115		04/18/2017	13:45	LB86949



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86949

SDG No.: LB86949

Contract: _____ Lab Code: CHEM

Case No.: LB86949

SAS No.: LB86949

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	Cyanide	0.24	0.25	96	0	90 - 110		04/18/2017	13:45	LB86949
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		04/18/2017	13:52	LB86949
CCV3	Cyanide	0.25	0.25	100	0	90 - 110		04/18/2017	13:52	LB86949



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86949 **SDG No.:** LB86949
Contract: **Lab Code:** CHEM **Case No.:** LB86949 **SAS No.:** LB86949

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0013	+/-0.005	U		0.005		04/18/2017	13:45	LB86949



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86949

SDG No.: LB86949

Contract:

Lab Code: CHEM

Case No.: LB86949

SAS No.: LB86949

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0013	+/-0.005	U		0.005		04/18/2017	13:45	LB86949
CCB2	Cyanide	-0.0013	+/-0.005	U		0.005		04/18/2017	13:52	LB86949
CCB3	Cyanide	-0.0011	+/-0.005	U		0.005		04/18/2017	13:52	LB86949



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86949

SDG No.: LB86949

Contract: Lab Code: CHEM

Case No.: LB86949

SAS No.: LB86949

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: LB86949

SDG No.: LB86949

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
PB98280BL		SOLID		Batch Number:		PB98280		Prep Date:	04/18/2017	
	Cyanide	-0.065	<0.25	U		0.25		04/18/2017	13:45	LB86949



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- 5a -
MATRIX SPIKE SUMMARY

client: LB86949 level: low sdg no.: LB86949
contract: lab code: CHEM case no.: LB86949 sas no.: LB86949
matrix: Solid sample id: I2685-01 client id: WEST-ORANGE-TOPSOILMS
Percent Solids for Sample: 91.6 Spiked ID: I2685-01MS Percent Solids for Spike Sample: 91.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.035	U	2.1	76.2		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB86949 level: low sdg no.: LB86949
contract: lab code: CHEM case no.: LB86949 sas no.: LB86949
matrix: Solid sample id: I2685-01 client id: WEST-ORANGE-TOPSOILMSD
Percent Solids for Sample: 91.6 Spiked ID: I2685-01MSD Percent Solids for Spike Sample: 91.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.035	U	2.1	76.2		

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DUPLICATE SAMPLE SUMMARY

Client: LB86949 Level: LOW SDG No.: LB86949
Contract: _____ Lab Code: CHEM Case No.: LB86949 SAS No.: LB86949
Matrix: Solid Sample ID: I2685-01 Client ID: WEST-ORANGE-TOPSOILDUP
Percent Solids for Sample: 91.6 Duplicate ID I2685-01DUP Percent Solids for Spike Sample: 91.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.035	U	-0.0086	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB86949 **Level:** LOW **SDG No.:** LB86949
Contract: **Lab Code:** CHEM **Case No.:** LB86949 **SAS No.:** LB86949
Matrix: Solid **Sample ID:** I2685-01MS **Client ID:** WEST-ORANGE-TOPSOILMSD
Percent Solids for Sample: 91.6 **Duplicate ID** I2685-01MSD **Percent Solids for Spike Sample:** 91.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.6		1.6		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB86949

SDG No.: LB86949

Contract:

Lab Code: CHEM

Case No.: LB86949

SAS No.: LB86949

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB98280BS Cyanide	mg/Kg	5	4.9		98	85 - 115	