

Daily Analysis Runlog For Sequence/QC Batch ID # LB88209

Review By		Review On				
SubDirectory		LB88209		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP55795,WP55796,WP55797,WP55798,WP55799,WP55800,WP55801,WP55802				
ICV Standard		W1541				
CCV Standard		WP55804				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP55803,WP51626,WP55355				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/20/17 09:39		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/20/17 09:39		OK
3	10PPBCN	10PPBCN	CAL3	06/20/17 09:39		OK
4	50PPBCN	50PPBCN	CAL4	06/20/17 09:39		OK
5	100PPBCN	100PPBCN	CAL5	06/20/17 09:39		OK
6	250PPBCN	250PPBCN	CAL6	06/20/17 09:39		OK
7	500PPBCN	500PPBCN	CAL7	06/20/17 09:39		OK
8	ICV1	ICV1	ICV	06/20/17 10:19		OK
9	ICB1	ICB1	ICB	06/20/17 10:19		OK
10	CCV1	CCV1	CCV	06/20/17 10:19		OK
11	CCB1	CCB1	CCB	06/20/17 10:19		OK
12	PB99902BL	PB99902BL	MB	06/20/17 10:19		OK
13	PB99902BS	PB99902BS	LCS	06/20/17 10:19		OK
14	I3743-01	FNDFL-PLUM-06141	SAM	06/20/17 10:19		OK
15	I3743-01DUP	FNDFL-PLUM-06141	DUP	06/20/17 10:19		OK
16	I3743-01MS	FNDFL-PLUM-06141	MS	06/20/17 10:19		OK
17	I3743-01MSD	FNDFL-PLUM-06141	MSD	06/20/17 10:19		OK
18	I3743-03	FNDFL-ESTN-06141	SAM	06/20/17 10:19		OK
19	I3743-05	FNDFL-VCTY-06151	SAM	06/20/17 10:26		OK
20	I3749-01	TILCON-MH-001	SAM	06/20/17 10:26		OK
21	I3749-02	TILCON-PL-001	SAM	06/20/17 10:26		OK

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

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SubDirectory		LB88209		Test : Cyanide		
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ICV Standard		W1541				
CCV Standard		WP55804				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP55803,WP51626,WP55355				
22	CCV2	CCV2	CCV	06/20/17 10:26		OK
23	CCB2	CCB2	CCB	06/20/17 10:26		OK
24	I3757-02	LOQ-SOIL-02-QT3-2	LOQ	06/20/17 10:26		OK
25	PB99901BL	PB99901BL	MB	06/20/17 10:26		OK
26	PB99901BS	PB99901BS	LCS	06/20/17 10:26		OK
27	LOWPB99901	LOWPB99901	SAM	06/20/17 10:26		OK
28	HIGHPB99901	HIGHPB99901	SAM	06/20/17 10:26		OK
29	I3757-06	LOQ-WATER-06-QT3	LOQ	06/20/17 10:32		OK
30	I3757-01	LOD-SOIL-01-QT3-2	SAM	06/20/17 11:35		OK
31	I3757-05	LOD-WATER-05-QT3	SAM	06/20/17 11:35		OK
32	CCV3	CCV3	CCV	06/20/17 11:35		OK
33	CCB3	CCB3	CCB	06/20/17 11:35		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB88209	Date Received:	
Client Sample ID:	HIGHPB99901	SDG No.:	LB88209
Lab Sample ID:	HIGHPB99901	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	0.5		1	0.003		0.005	mg/L		06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/14/2017 12:00:00 AM
Project:	LB88209	Date Received:	6/15/2017 12:00:00 AM
Client Sample ID:	FNDFL-PLUM-061417-COMP	SDG No.:	LB88209
Lab Sample ID:	I3743-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.05	U	1	0.036		0.27	mg/Kg	06/19/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/14/2017 12:00:00 AM
Project:	LB88209	Date Received:	6/15/2017 12:00:00 AM
Client Sample ID:	FNDFL-ESTN-061417-COMP	SDG No.:	LB88209
Lab Sample ID:	I3743-03	Matrix:	Solid
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.051	U	1	0.035		0.27	mg/Kg	06/19/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2017 12:00:00 AM
Project:	LB88209	Date Received:	6/15/2017 12:00:00 AM
Client Sample ID:	FNDFL-VCTY-061517-COMP	SDG No.:	LB88209
Lab Sample ID:	I3743-05	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0078	U	1	0.035		0.27	mg/Kg	06/19/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/16/2017 12:00:00 AM
Project:	LB88209	Date Received:	6/16/2017 12:00:00 AM
Client Sample ID:	TILCON-MH-001	SDG No.:	LB88209
Lab Sample ID:	I3749-01	Matrix:	Solid
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.047	U	1	0.034		0.25	mg/Kg	06/19/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/16/2017 12:00:00 AM
Project:	LB88209	Date Received:	6/16/2017 12:00:00 AM
Client Sample ID:	TILCON-PL-001	SDG No.:	LB88209
Lab Sample ID:	I3749-02	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	-0.03	U	1	0.032		0.25	mg/Kg	06/19/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/16/2017 12:00:00 AM
Project:	LB88209	Date Received:	6/16/2017 12:00:00 AM
Client Sample ID:	LOD-SOIL-01-QT3-2017	SDG No.:	LB88209
Lab Sample ID:	I3757-01	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	0.022	U	1	0.031		0.24	mg/Kg	06/19/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	6/16/2017 12:00:00 AM
Project:	LB88209	Date Received:	6/16/2017 12:00:00 AM
Client Sample ID:	LOD-WATER-05-QT3-2017	SDG No.:	LB88209
Lab Sample ID:	I3757-05	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	0.00032	U	1	0.003		0.005	mg/L	06/19/2017	06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB88209	Date Received:	
Client Sample ID:	LOWPB99901	SDG No.:	LB88209
Lab Sample ID:	LOWPB99901	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	0.0093		1	0.003		0.005	mg/L		06/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB88209	Date Received:	
Client Sample ID:	LOWPB99901	SDG No.:	LB88209
Lab Sample ID:	LOWPB99901	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



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88209

SDG No.: LB88209

Contract: _____ Lab Code: CHEM

Case No.: LB88209

SAS No.: LB88209

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		06/20/2017	10:19	LB88209
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		06/20/2017	10:26	LB88209
CCV3	Cyanide	0.26	0.25	104	0	90 - 110		06/20/2017	11:35	LB88209



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88209

SDG No.: LB88209

Contract:

Lab Code: CHEM

Case No.: LB88209

SAS No.: LB88209

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00084	+/-0.005	U		0.005		06/20/2017	10:19	LB88209



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88209

SDG No.: LB88209

Contract:

Lab Code: CHEM

Case No.: LB88209

SAS No.: LB88209

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0007	+/-0.005	U		0.005		06/20/2017	10:19	LB88209
CCB2	Cyanide	-0.00077	+/-0.005	U		0.005		06/20/2017	10:26	LB88209
CCB3	Cyanide	-0.00021	+/-0.005	U		0.005		06/20/2017	11:35	LB88209



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>LB88209</u>	SDG No.:	<u>LB88209</u>				
Contract:	<u> </u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>LB88209</u>	SAS No.:	<u>LB88209</u>

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: LB88209

SDG No.: LB88209

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB99901BL	Cyanide	WATER		Batch Number:		PB99901		Prep Date:	06/19/2017	
		-0.0006	<0.005	U		0.005		06/20/2017	10:26	LB88209
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB99902BL	Cyanide	SOLID		Batch Number:		PB99902		Prep Date:	06/19/2017	
		-0.042	<0.25	U		0.25		06/20/2017	10:19	LB88209



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- 5a -
MATRIX SPIKE SUMMARY

client: LB88209 level: low sdg no.: LB88209
contract: lab code: CHEM case no.: LB88209 sas no.: LB88209
matrix: Solid sample id: I3743-01 client id: FNDFL-PLUM-061417-COMPMS
Percent Solids for Sample: 88.9 Spiked ID: I3743-01MS Percent Solids for Spike Sample: 88.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.036	U	2.2	77.3		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88209 level: low sdg no.: LB88209
contract: lab code: CHEM case no.: LB88209 sas no.: LB88209
matrix: Solid sample id: I3743-01 client id: FNDFL-PLUM-061417-COMPMSD
Percent Solids for Sample: 88.9 Spiked ID: I3743-01MSD Percent Solids for Spike Sample: 88.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.036	U	2.2	77.3		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: <u>LB88209</u>	Level: <u>LOW</u>	SDG No.: <u>LB88209</u>
Contract: <u></u>	Lab Code: <u>CHEM</u>	Case No.: <u>LB88209</u> SAS No.: <u>LB88209</u>
Matrix: <u>Solid</u>	Sample ID: <u>I3743-01</u>	Client ID: <u>FNDFL-PLUM-061417-COMPDUP</u>
Percent Solids for Sample: <u>88.9</u>	Duplicate ID <u>I3743-01DUP</u>	Percent Solids for Spike Sample: <u>88.9</u>

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.036	U	-0.026	U			

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88209 **Level:** LOW **SDG No.:** LB88209
Contract: **Lab Code:** CHEM **Case No.:** LB88209 **SAS No.:** LB88209
Matrix: Solid **Sample ID:** I3743-01MS **Client ID:** FNDFL-PLUM-061417-COMPMSD
Percent Solids for Sample: 88.9 **Duplicate ID** I3743-01MSD **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.7		1.7		0		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88209

SDG No.: LB88209

Contract:

Lab Code: CHEM

Case No.: LB88209

SAS No.: LB88209

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
I3757-02 Cyanide	mg/Kg	0.48	0.25		52.1	50 - 150	



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88209

SDG No.: LB88209

Contract:

Lab Code: CHEM

Case No.: LB88209

SAS No.: LB88209

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
I3757-06 Cyanide	mg/L	0.01	0.0061		61	50 - 150	



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88209

SDG No.: LB88209

Contract:

Lab Code: CHEM

Case No.: LB88209

SAS No.: LB88209

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB99901BS Cyanide	mg/L	0.1	0.1		100	85 - 115	

