

Daily Analysis Runlog For Sequence/QC Batch ID # LB88736

Review By

Review On

SubDirectory

LB88736

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP56439,WP56440,WP56441,WP56442,WP56443,WP56444,WP56445
ICV Standard	WP56448
CCV Standard	WP56447
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP54521
Chk Standard	WP56446,WP55836,WP55355

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	07/14/17 11:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	07/14/17 11:38		OK
3	10PPBCN	10PPBCN	CAL3	07/14/17 11:38		OK
4	50PPBCN	50PPBCN	CAL4	07/14/17 11:38		OK
5	100PPBCN	100PPBCN	CAL5	07/14/17 11:38		OK
6	250PPBCN	250PPBCN	CAL6	07/14/17 11:38		OK
7	500PPBCN	500PPBCN	CAL7	07/14/17 11:38		OK
8	ICV1	ICV1	ICV	07/14/17 13:46		OK
9	ICB1	ICB1	ICB	07/14/17 13:46		OK
10	CCV1	CCV1	CCV	07/14/17 13:46		OK
11	CCB1	CCB1	CCB	07/14/17 13:46		OK
12	PB100650BL	PB100650BL	MB	07/14/17 13:46		OK
13	PB100650BS	PB100650BS	LCS	07/14/17 13:46		OK
14	I4176-01	VNJ-225-241-72-119	SAM	07/14/17 13:46		OK
15	I4176-01DUP	VNJ-225-241-72-119	DUP	07/14/17 13:46		OK
16	I4176-01MS	VNJ-225-241-72-119	MS	07/14/17 13:46		OK
17	I4176-01MSD	VNJ-225-241-72-119	MSD	07/14/17 13:46		OK
18	I4176-06	72-12003	SAM	07/14/17 13:46		OK
19	I4185-01	HDD-PILWC1	SAM	07/14/17 13:54		OK
20	I4188-02	B1(0-10)COMP	SAM	07/14/17 13:54		OK
21	I4193-01	TR-04-071317	SAM	07/14/17 13:54		OK

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

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SubDirectory		Test : Cyanide				
LB88736						
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ICAL Standard		WP56439,WP56440,WP56441,WP56442,WP56443,WP56444,WP56445				
ICV Standard		WP56448				
CCV Standard		WP56447				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54521				
Chk Standard		WP56446,WP55836,WP55355				
22	CCV2	CCV2	CCV	07/14/17 13:54		OK
23	CCB2	CCB2	CCB	07/14/17 13:54		OK
24	I4196-01	FK-PS-01-012	SAM	07/14/17 13:54		OK
25	I4201-01	TP-2-RIVER-ROAD	SAM	07/14/17 13:54		OK
26	LOWPB100650	LOWPB100650	SAM	07/14/17 13:54		OK
27	HIGHPB100650	HIGHPB100650	SAM	07/14/17 13:54		OK
28	CCV3	CCV3	CCV	07/14/17 13:54		OK
29	CCB3	CCB3	CCB	07/14/17 13:54		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB88736	Date Received:	
Client Sample ID:	HIGHPB100650	SDG No.:	LB88736
Lab Sample ID:	HIGHPB100650	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		07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88736	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	VNJ-225-241-72-11938-COMP	SDG No.:	LB88736
Lab Sample ID:	I4176-01	Matrix:	Solid
Level (low/med):	low	% Solid:	71.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.26	J	1	0.045		0.34	mg/Kg	07/14/2017	07/14/2017	9012B

Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88736	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	72-12003	SDG No.:	LB88736
Lab Sample ID:	I4176-06	Matrix:	Solid
Level (low/med):	low	% Solid:	75.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.043	J	1	0.042		0.32	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88736	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	HDD-PILWC1	SDG No.:	LB88736
Lab Sample ID:	I4185-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0051	U	1	0.04		0.3	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88736	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	B1(0-10)COMP	SDG No.:	LB88736
Lab Sample ID:	I4188-02	Matrix:	Solid
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.041	J	1	0.036		0.28	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88736	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	TR-04-071317	SDG No.:	LB88736
Lab Sample ID:	I4193-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.042	J	1	0.036		0.28	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88736	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-012	SDG No.:	LB88736
Lab Sample ID:	I4196-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.013	U	1	0.036		0.27	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	7/13/2017 12:00:00 AM
Project:	LB88736	Date Received:	7/13/2017 12:00:00 AM
Client Sample ID:	TP-2-RIVER-ROAD	SDG No.:	LB88736
Lab Sample ID:	I4201-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.012	U	1	0.035		0.27	mg/Kg	07/14/2017	07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB88736	Date Received:	
Client Sample ID:	LOWPB100650	SDG No.:	LB88736
Lab Sample ID:	LOWPB100650	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	0.0099		1	0.003		0.005	mg/L		07/14/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB88736	Date Received:	
Client Sample ID:	LOWPB100650	SDG No.:	LB88736
Lab Sample ID:	LOWPB100650	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

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88736

SDG No.: LB88736

Contract: _____ Lab Code: CHEM

Case No.: LB88736

SAS No.: LB88736

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
ICV1	Cyanide	0.093	0.099	93.9	0	85 - 115		07/14/2017	13:46	LB88736



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88736

SDG No.: LB88736

Contract: _____ Lab Code: CHEM

Case No.: LB88736

SAS No.: LB88736

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		07/14/2017	13:46	LB88736
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		07/14/2017	13:54	LB88736
CCV3	Cyanide	0.25	0.25	100	0	90 - 110		07/14/2017	13:54	LB88736



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88736 **SDG No.:** LB88736
Contract: **Lab Code:** CHEM **Case No.:** LB88736 **SAS No.:** LB88736

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00052	+/-0.005	U		0.005		07/14/2017	13:46	LB88736

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00041	+/-0.005	U		0.005		07/14/2017	13:46	LB88736
CCB2	Cyanide	0.0005	+/-0.005	U		0.005		07/14/2017	13:54	LB88736
CCB3	Cyanide	0.00074	+/-0.005	U		0.005		07/14/2017	13:54	LB88736



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB88736

SDG No.:

LB88736

Contract:

Lab Code:

CHEM

Case No.:

LB88736

SAS No.:

LB88736

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: LB88736

SDG No.: LB88736

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
PB100650BL		SOLID		Batch Number:		PB100650		Prep Date:	07/14/2017	
	Cyanide	0.028	<0.25	U		0.25		07/14/2017	13:46	LB88736



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB88736 level: low sdg no.: LB88736
contract: lab code: CHEM case no.: LB88736 sas no.: LB88736
matrix: Solid sample id: I4176-01 client id: VNJ-225-241-72-11938-COMPMS
Percent Solids for Sample: 71.9 Spiked ID: I4176-01MS Percent Solids for Spike Sample: 71.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.8		0.26	J	2.7	94		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88736 level: low sdg no.: LB88736
contract: lab code: CHEM case no.: LB88736 sas no.: LB88736
matrix: Solid sample id: I4176-01 client id: VNJ-225-241-72-11938-COMPMSD
Percent Solids for Sample: 71.9 Spiked ID: I4176-01MSD Percent Solids for Spike Sample: 71.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.8		0.26	J	2.7	94		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB88736 **Level:** LOW **SDG No.:** LB88736
Contract: **Lab Code:** CHEM **Case No.:** LB88736 **SAS No.:** LB88736
Matrix: Solid **Sample ID:** I4176-01 **Client ID:** VNJ-225-241-72-11938-COMPDUP
Percent Solids for Sample: 71.9 **Duplicate ID** I4176-01DUP **Percent Solids for Spike Sample:** 71.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.26	J	0.24	J	8		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB88736 **Level:** LOW **SDG No.:** LB88736
Contract: **Lab Code:** CHEM **Case No.:** LB88736 **SAS No.:** LB88736
Matrix: Solid **Sample ID:** I4176-01MS **Client ID:** VNJ-225-241-72-11938-COMPMSD
Percent Solids for Sample: 71.9 **Duplicate ID** I4176-01MSD **Percent Solids for Spike Sample:** 71.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.8		2.8		0		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88736

SDG No.: LB88736

Contract:

Lab Code: CHEM

Case No.: LB88736

SAS No.: LB88736

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100650BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	