

Daily Analysis Runlog For Sequence/QC Batch ID # LB95792

Review By

Review On

SubDirectory

LB95792

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP64996,WP64997,WP64998,WP64999,WP6500,WP65001,WP65002
ICV Standard	W1542
CCV Standard	WP65003
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
Chk Standard	WP65005,WP64695,WP64696

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/04/18 11:00		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/04/18 11:00		OK
3	10PPBCN	10PPBCN	CAL3	06/04/18 11:00		OK
4	50PPBCN	50PPBCN	CAL4	06/04/18 11:00		OK
5	100PPBCN	100PPBCN	CAL5	06/04/18 11:00		OK
6	250PPBCN	250PPBCN	CAL6	06/04/18 11:00		OK
7	500PPBCN	500PPBCN	CAL7	06/04/18 11:00		OK
8	ICV1	ICV1	ICV	06/04/18 11:37		OK
9	ICB1	ICB1	ICB	06/04/18 11:37		OK
10	CCV1	CCV1	CCV	06/04/18 11:37		OK
11	CCB1	CCB1	CCB	06/04/18 11:37		OK
12	PB109872BL	PB109872BL	MB	06/04/18 11:37		OK
13	PB1109872BS	PB1109872BS	LCS	06/04/18 11:37		OK
14	LOWPB109872	LOWPB109872	SAM	06/04/18 11:37		OK
15	HIGHPB109872	HIGHPB109872	SAM	06/04/18 11:37		OK
16	J3228-01	FK-PS-01-028	SAM	06/04/18 11:37		OK
17	J3228-01DUP	FK-PS-01-028DUP	DUP	06/04/18 11:37		OK
18	J3228-01MS	FK-PS-01-028MS	MS	06/04/18 11:37		OK
19	J3228-01MSD	FK-PS-01-028MSD	MSD	06/04/18 11:45		OK
20	J3235-01	CLEAN-SAND-20	SAM	06/04/18 11:45		OK
21	J3235-02	CLEAN-SAND-21	SAM	06/04/18 11:45		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB95792

Review By		Review On				
SubDirectory		LB95792		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64996,WP64997,WP64998,WP64999,WP6500,WP65001,WP65002				
ICV Standard		W1542				
CCV Standard		WP65003				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65005,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/04/18 11:45		OK
23	CCB2	CCB2	CCB	06/04/18 11:45		OK
24	J3235-03	CLEAN-SAND-22	SAM	06/04/18 11:45		OK
25	J3235-04	CLEAN-SAND-23	SAM	06/04/18 11:45		OK
26	J3235-06	CLEAN-SAND-25	SAM	06/04/18 11:45		OK
27	PB109889BL	PB109889BL	MB	06/04/18 11:45		OK
28	PB109889BS	PB109889BS	LCS	06/04/18 11:45		OK
29	J3255-01	A-1	SAM	06/04/18 11:52		OK
30	J3255-01DUP	A-1DUP	DUP	06/04/18 11:52		OK
31	J3255-01MS	A-1MS	MS	06/04/18 11:52		OK
32	J3255-01MSD	A-1MSD	MSD	06/04/18 11:52		OK
33	CCV3	CCV3	CCV	06/04/18 11:52		OK
34	CCB3	CCB3	CCB	06/04/18 11:52		OK
35	J3255-02	A-2	SAM	06/04/18 11:52		OK
36	J3255-03	A-3	SAM	06/04/18 11:52		OK
37	J3255-04	A-4	SAM	06/04/18 11:52		OK
38	J3255-05	A-5	SAM	06/04/18 11:52		OK
39	J3255-06	A-6	SAM	06/04/18 11:53		OK
40	J3255-07	A-7	SAM	06/04/18 12:00		OK
41	J3255-08	A-8	SAM	06/04/18 12:00		OK
42	J3255-09	A-9	SAM	06/04/18 12:00		OK
43	J3255-10	A-10	SAM	06/04/18 12:00		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB95792

Review By		Review On				
SubDirectory		Test : Cyanide				
LB95792						
STD. NAME		STD REF.#				
ICAL Standard		WP64996,WP64997,WP64998,WP64999,WP6500,WP65001,WP65002				
ICV Standard		W1542				
CCV Standard		WP65003				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65005,WP64695,WP64696				
44	PB109890BL	PB109890BL	MB	06/04/18 12:00		OK
45	CCV4	CCV4	CCV	06/04/18 12:00		OK
46	CCB4	CCB4	CCB	06/04/18 12:00		OK
47	PB109890BS	PB109890BS	LCS	06/04/18 12:00		OK
48	J3237-03	AG-BASELINEWATE	SAM	06/04/18 12:00		OK
49	J3237-03DUP	AG-BASELINEWATE	DUP	06/04/18 12:00		OK
50	J3237-03MS	AG-BASELINEWATE	MS	06/04/18 12:00		OK
51	J3237-03MSD	AG-BASELINEWATE	MSD	06/04/18 12:05		OK
52	J3235-05	CLEAN-SAND-24	SAM	06/04/18 12:38		OK
53	CCV5	CCV5	CCV	06/04/18 12:38		OK
54	CCB5	CCB5	CCB	06/04/18 12:38		OK



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95792	Date Received:	
Client Sample ID:	HIGHPB109872	SDG No.:	LB95792
Lab Sample ID:	HIGHPB109872	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		06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/30/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-028	SDG No.:	LB95792
Lab Sample ID:	J3228-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.076	J	1	0.034		0.25	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-20	SDG No.:	LB95792
Lab Sample ID:	J3235-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.073	J	1	0.034		0.26	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-21	SDG No.:	LB95792
Lab Sample ID:	J3235-02	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	0.041	J	1	0.033		0.25	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-22	SDG No.:	LB95792
Lab Sample ID:	J3235-03	Matrix:	Solid
Level (low/med):	low	% Solid:	94.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.055	J	1	0.033		0.25	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-23	SDG No.:	LB95792
Lab Sample ID:	J3235-04	Matrix:	Solid
Level (low/med):	low	% Solid:	94.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.048	J	1	0.034		0.25	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-24	SDG No.:	LB95792
Lab Sample ID:	J3235-05	Matrix:	Solid
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.047	J	1	0.034		0.26	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-25	SDG No.:	LB95792
Lab Sample ID:	J3235-06	Matrix:	Solid
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.05	J	1	0.034		0.26	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	AG-BASELINEWATER	SDG No.:	LB95792
Lab Sample ID:	J3237-03	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	0.14		1	0.003		0.005	mg/L	06/01/2018	06/04/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-1	SDG No.:	LB95792
Lab Sample ID:	J3255-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.043	J	1	0.035		0.26	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-2	SDG No.:	LB95792
Lab Sample ID:	J3255-02	Matrix:	Solid
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.052	J	1	0.034		0.26	mg/Kg	06/01/2018	06/04/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-3	SDG No.:	LB95792
Lab Sample ID:	J3255-03	Matrix:	Solid
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.18	U	1	0.034		0.26	mg/Kg	06/01/2018	06/04/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-4	SDG No.:	LB95792
Lab Sample ID:	J3255-04	Matrix:	Solid
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.04	J	1	0.034		0.26	mg/Kg	06/01/2018	06/04/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-5	SDG No.:	LB95792
Lab Sample ID:	J3255-05	Matrix:	Solid
Level (low/med):	low	% Solid:	90.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.1	J	1	0.035		0.27	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-6	SDG No.:	LB95792
Lab Sample ID:	J3255-06	Matrix:	Solid
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.034		0.26	mg/Kg	06/01/2018	06/04/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-7	SDG No.:	LB95792
Lab Sample ID:	J3255-07	Matrix:	Solid
Level (low/med):	low	% Solid:	91.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.063	J	1	0.035		0.27	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-8	SDG No.:	LB95792
Lab Sample ID:	J3255-08	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	0.035	U	1	0.036		0.27	mg/Kg	06/01/2018	06/04/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-9	SDG No.:	LB95792
Lab Sample ID:	J3255-09	Matrix:	Solid
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.042	J	1	0.034		0.26	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95792	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	A-10	SDG No.:	LB95792
Lab Sample ID:	J3255-10	Matrix:	Solid
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.06	J	1	0.033		0.25	mg/Kg	06/01/2018	06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95792	Date Received:	
Client Sample ID:	LOWPB109872	SDG No.:	LB95792
Lab Sample ID:	LOWPB109872	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		06/04/2018	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95792	Date Received:	
Client Sample ID:	LOWPB109872	SDG No.:	LB95792
Lab Sample ID:	LOWPB109872	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: LB95792

SDG No.: LB95792

Contract: _____ Lab Code: CHEM

Case No.: LB95792

SAS No.: LB95792

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	0.096	0.099	97		85 - 115		06/04/2018	11:37	LB95792



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95792

SDG No.: LB95792

Contract: _____ Lab Code: CHEM

Case No.: LB95792

SAS No.: LB95792

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	0.24	0.25	96		90 - 110		06/04/2018	11:37	LB95792
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/04/2018	11:45	LB95792
CCV3	Cyanide	0.24	0.25	96		90 - 110		06/04/2018	11:52	LB95792
CCV4	Cyanide	0.24	0.25	96		90 - 110		06/04/2018	12:00	LB95792
CCV5	Cyanide	0.26	0.25	104		90 - 110		06/04/2018	12:38	LB95792



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95792 **SDG No.:** LB95792
Contract: **Lab Code:** CHEM **Case No.:** LB95792 **SAS No.:** LB95792

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00067	+/-0.005	U		0.005		06/04/2018	11:37	LB95792



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95792

SDG No.: LB95792

Contract:

Lab Code: CHEM

Case No.: LB95792

SAS No.: LB95792

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00064	+/-0.005	U		0.005		06/04/2018	11:37	LB95792
CCB2	Cyanide	0.00093	+/-0.005	U		0.005		06/04/2018	11:45	LB95792
CCB3	Cyanide	0.0001	+/-0.005	U		0.005		06/04/2018	11:52	LB95792
CCB4	Cyanide	0.0007	+/-0.005	U		0.005		06/04/2018	12:00	LB95792
CCB5	Cyanide	0.00047	+/-0.005	U		0.005		06/04/2018	12:38	LB95792



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95792

SDG No.: LB95792

Contract: Lab Code: CHEM

Case No.: LB95792

SAS No.: LB95792

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: LB95792

SDG No.: LB95792

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
PB109872BL	Cyanide	SOLID		Batch Number:		PB109872		Prep Date:	06/01/2018	
		0.028	<0.25	U		0.25		06/04/2018	11:37	LB95792
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB109889BL	Cyanide	SOLID		Batch Number:		PB109889		Prep Date:	06/01/2018	
		0.036	<0.25	J		0.25		06/04/2018	11:45	LB95792
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB109890BL	Cyanide	WATER		Batch Number:		PB109890		Prep Date:	06/01/2018	
		0.00044	<0.005	U		0.005		06/04/2018	12:00	LB95792



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95792 level: low sdg no.: LB95792
contract: lab code: CHEM case no.: LB95792 sas no.: LB95792
matrix: Solid sample id: J3228-01 client id: FK-PS-01-028MS
Percent Solids for Sample: 93.7 Spiked ID: J3228-01MS Percent Solids for Spike Sample: 93.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.076	J	2.1	82		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95792 level: low sdg no.: LB95792
contract: lab code: CHEM case no.: LB95792 sas no.: LB95792
matrix: Solid sample id: J3228-01 client id: FK-PS-01-028MSD
Percent Solids for Sample: 93.7 Spiked ID: J3228-01MSD Percent Solids for Spike Sample: 93.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.076	J	2.1	82		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95792 level: low sdg no.: LB95792
contract: lab code: CHEM case no.: LB95792 sas no.: LB95792
matrix: WATER sample id: J3237-03 client id: AG-BASELINEWATERMS
Percent Solids for Sample: 0 Spiked ID: J3237-03MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.17		0.14		0.04	75		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95792 level: low sdg no.: LB95792
contract: lab code: CHEM case no.: LB95792 sas no.: LB95792
matrix: WATER sample id: J3237-03 client id: AG-BASELINEWATERMSD
Percent Solids for Sample: 0 Spiked ID: J3237-03MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.17		0.14		0.04	75		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95792 level: low sdg no.: LB95792
contract: lab code: CHEM case no.: LB95792 sas no.: LB95792
matrix: Solid sample id: J3255-01 client id: A-1MS
Percent Solids for Sample: 91.3 Spiked ID: J3255-01MS Percent Solids for Spike Sample: 91.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.043	J	2.1	79		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95792 level: low sdg no.: LB95792
contract: lab code: CHEM case no.: LB95792 sas no.: LB95792
matrix: Solid sample id: J3255-01 client id: A-1MSD
Percent Solids for Sample: 91.3 Spiked ID: J3255-01MSD Percent Solids for Spike Sample: 91.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.043	J	2.1	79		

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB95792 **Level:** LOW **SDG No.:** LB95792
Contract: **Lab Code:** CHEM **Case No.:** LB95792 **SAS No.:** LB95792
Matrix: Solid **Sample ID:** J3228-01 **Client ID:** FK-PS-01-028DUP
Percent Solids for Sample: 93.7 **Duplicate ID** J3228-01DUP **Percent Solids for Spike Sample:** 93.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.076	J	0.051	J	39	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95792 **Level:** LOW **SDG No.:** LB95792
Contract: **Lab Code:** CHEM **Case No.:** LB95792 **SAS No.:** LB95792
Matrix: Solid **Sample ID:** J3228-01MS **Client ID:** FK-PS-01-028MSD
Percent Solids for Sample: 93.7 **Duplicate ID** J3228-01MSD **Percent Solids for Spike Sample:** 93.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.8		1.8		0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95792 **Level:** LOW **SDG No.:** LB95792
Contract: _____ **Lab Code:** CHEM **Case No.:** LB95792 **SAS No.:** LB95792
Matrix: WATER **Sample ID:** J3237-03 **Client ID:** AG-BASELINEWATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J3237-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.14		0.14		0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95792 **Level:** LOW **SDG No.:** LB95792
Contract: **Lab Code:** CHEM **Case No.:** LB95792 **SAS No.:** LB95792
Matrix: WATER **Sample ID:** J3237-03MS **Client ID:** AG-BASELINEWATERMSD
Percent Solids for Sample: 0 **Duplicate ID** J3237-03MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.17		0.17		0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95792 **Level:** LOW **SDG No.:** LB95792
Contract: **Lab Code:** CHEM **Case No.:** LB95792 **SAS No.:** LB95792
Matrix: Solid **Sample ID:** J3255-01 **Client ID:** A-1DUP
Percent Solids for Sample: 91.3 **Duplicate ID** J3255-01DUP **Percent Solids for Spike Sample:** 91.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.043	J	0.056	J	26	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95792 **Level:** LOW **SDG No.:** LB95792
Contract: **Lab Code:** CHEM **Case No.:** LB95792 **SAS No.:** LB95792
Matrix: Solid **Sample ID:** J3255-01MS **Client ID:** A-1MSD
Percent Solids for Sample: 91.3 **Duplicate ID** J3255-01MSD **Percent Solids for Spike Sample:** 91.3

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



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95792

SDG No.: LB95792

Contract:

Lab Code: CHEM

Case No.: LB95792

SAS No.: LB95792

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109889BS Cyanide	mg/Kg	5	4.8		96	85 - 115	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95792

SDG No.: LB95792

Contract:

Lab Code: CHEM

Case No.: LB95792

SAS No.: LB95792

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109890BS Cyanide	mg/L	0.1	0.098		98	85 - 115	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95792

SDG No.: LB95792

Contract:

Lab Code: CHEM

Case No.: LB95792

SAS No.: LB95792

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB1109872BS Cyanide	mg/Kg	0.1	0.098		98	85 - 115	