

Daily Analysis Runlog For Sequence/QC Batch ID # LB95826

Review By		Review On				
SubDirectory		LB95826		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65035,WP65036,WP65037,WP65038,WP35039,WP35040,WP65041				
ICV Standard		W1542				
CCV Standard		WP65042				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65044,WP65695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/05/18 08:05		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/05/18 08:05		OK
3	10PPBCN	10PPBCN	CAL3	06/05/18 08:05		OK
4	50PPBCN	50PPBCN	CAL4	06/05/18 08:05		OK
5	100PPBCN	100PPBCN	CAL5	06/05/18 08:05		OK
6	250PPBCN	250PPBCN	CAL6	06/05/18 08:05		OK
7	500PPBCN	500PPBCN	CAL7	06/05/18 08:05		OK
8	ICV1	ICV1	ICV	06/05/18 14:31		OK
9	ICB1	ICB1	ICB	06/05/18 14:31		OK
10	CCV1	CCV1	CCV	06/05/18 14:31		OK
11	CCB1	CCB1	CCB	06/05/18 14:31		OK
12	PB109986BL	PB109986BL	MB	06/05/18 14:31		OK
13	PB109986BS	PB109986BS	LCS	06/05/18 14:31		OK
14	LOWPB109986	LOWPB109986	SAM	06/05/18 14:31		OK
15	HIGHPB109986	HIGHPB109986	SAM	06/05/18 14:31		OK
16	J2309-01	ROCKY-SOIL	SAM	06/05/18 14:31		OK
17	J2309-01DUP	ROCKY-SOILDUP	DUP	06/05/18 14:31		OK
18	J2309-01MS	ROCKY-SOILMS	MS	06/05/18 14:31		OK
19	J2309-01MSD	ROCKY-SOILMSD	MSD	06/05/18 14:38		OK
20	J2309-07	OILY-CONCRETE	SAM	06/05/18 14:38		OK
21	J3195-09	OILY-STONES	SAM	06/05/18 14:38		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB95826

Review By		Review On				
SubDirectory		LB95826		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65035,WP65036,WP65037,WP65038,WP35039,WP35040,WP65041				
ICV Standard		W1542				
CCV Standard		WP65042				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65044,WP65695,WP64696				
22	CCV2	CCV2	CCV	06/05/18 14:38		OK
23	CCB2	CCB2	CCB	06/05/18 14:38		OK
24	J3278-01	FK-GF-02-020-A	SAM	06/05/18 14:38		OK
25	J3278-03	FK-GF-02-020-B	SAM	06/05/18 14:38		OK
26	J3279-01	QUINTON-BPM-PILE	SAM	06/05/18 14:38		OK
27	J3280-01	QUINTON-BPM-2ND	SAM	06/05/18 14:38		OK
28	J3284-01	QUINTON-TOPSOIL	SAM	06/05/18 14:38		OK
29	J3291-07	CAS1-SB-01-1-4	SAM	06/05/18 14:38		OK
30	J3300-01	ROCKPILE-SANDPILE	SAM	06/05/18 14:46		OK
31	PB109987BL	PB109987BL	MB	06/05/18 14:46		OK
32	PB109987BS	PB109987BS	LCS	06/05/18 14:46		OK
33	J3304-01	FS-SOIL	SAM	06/05/18 14:46		OK
34	CCV3	CCV3	CCV	06/05/18 14:46		OK
35	CCB3	CCB3	CCB	06/05/18 14:46		OK
36	J3304-01DUP	FS-SOILDUP	DUP	06/05/18 14:46		OK
37	J3304-01MS	FS-SOILMS	MS	06/05/18 14:46		OK
38	J3304-01MSD	FS-SOILMSD	MSD	06/05/18 14:46		OK
39	J3304-04	FS-CON	SAM	06/05/18 14:46		OK
40	J3305-01	DRUM-1-DRUM-2-R	SAM	06/05/18 14:46		OK
41	J3306-01	A&M-SOIL	SAM	06/05/18 14:53		OK
42	PB109988BL	PB109988BL	MB	06/05/18 14:53		OK
43	PB109988BS	PB109988BS	LCS	06/05/18 14:53		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB95826

Review By		Review On				
SubDirectory		Test : Cyanide				
LB95826						
STD. NAME		STD REF.#				
ICAL Standard		WP65035,WP65036,WP65037,WP65038,WP35039,WP35040,WP65041				
ICV Standard		W1542				
CCV Standard		WP65042				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65044,WP65695,WP64696				
44	J3306-03	A&M-WATER	SAM	06/05/18 14:53		OK
45	J3306-03DUP	A&M-WATERDUP	DUP	06/05/18 14:53		OK
46	CCV4	CCV4	CCV	06/05/18 15:14		OK
47	CCB4	CCB4	CCB	06/05/18 15:14		OK
48	J3306-03MS	A&M-WATERMS	MS	06/05/18 15:14		OK
49	J3306-03MSD	A&M-WATERMSD	MSD	06/05/18 15:14		OK
50	CCV5	CCV5	CCV	06/05/18 15:14		OK
51	CCB5	CCB5	CCB	06/05/18 15:14		OK



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95826	Date Received:	
Client Sample ID:	HIGHPB109986	SDG No.:	LB95826
Lab Sample ID:	HIGHPB109986	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		06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	ROCKY-SOIL	SDG No.:	LB95826
Lab Sample ID:	J2309-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.69		1	0.039		0.3	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	OILY-CONCRETE	SDG No.:	LB95826
Lab Sample ID:	J2309-07	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	0.047	J	1	0.032		0.24	mg/Kg	06/05/2018	06/05/2018	9012B

Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	OILY-STONES	SDG No.:	LB95826
Lab Sample ID:	J3195-09	Matrix:	Solid
Level (low/med):	low	% Solid:	97.5

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		0.24	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-020-A	SDG No.:	LB95826
Lab Sample ID:	J3278-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.045	U	1	0.034		0.26	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-020-B	SDG No.:	LB95826
Lab Sample ID:	J3278-03	Matrix:	Solid
Level (low/med):	low	% Solid:	91.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0064	U	1	0.035		0.26	mg/Kg	06/05/2018	06/05/2018	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:	LB95826	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	QUINTON-BPM-PILE-5	SDG No.:	LB95826
Lab Sample ID:	J3279-01	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	-0.032	U	1	0.036		0.27	mg/Kg	06/05/2018	06/05/2018	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:	LB95826	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	QUINTON-BPM-2ND-BENCH	SDG No.:	LB95826
Lab Sample ID:	J3280-01	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	-0.0075	U	1	0.035		0.27	mg/Kg	06/05/2018	06/05/2018	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:	LB95826	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	QUINTON-TOPSOIL	SDG No.:	LB95826
Lab Sample ID:	J3284-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.016	U	1	0.037		0.28	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	CAS1-SB-01-1-4	SDG No.:	LB95826
Lab Sample ID:	J3291-07	Matrix:	Solid
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.056	J	1	0.034		0.26	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	ROCKPILE-SANDPILE	SDG No.:	LB95826
Lab Sample ID:	J3300-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.035	U	1	0.034		0.26	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	FS-SOIL	SDG No.:	LB95826
Lab Sample ID:	J3304-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.052	J	1	0.037		0.28	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	FS-CON	SDG No.:	LB95826
Lab Sample ID:	J3304-04	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	-0.044	U	1	0.032		0.24	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/4/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/4/2018 12:00:00 AM
Client Sample ID:	DRUM-1-DRUM-2-ROCKS	SDG No.:	LB95826
Lab Sample ID:	J3305-01	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	-0.051	U	1	0.031		0.24	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-SOIL	SDG No.:	LB95826
Lab Sample ID:	J3306-01	Matrix:	Solid
Level (low/med):	low	% Solid:	37

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.074	U	1	0.084		0.64	mg/Kg	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95826	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-WATER	SDG No.:	LB95826
Lab Sample ID:	J3306-03	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	0.0022	U	1	0.03		0.05	mg/L	06/05/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95826	Date Received:	
Client Sample ID:	LOWPB109986	SDG No.:	LB95826
Lab Sample ID:	LOWPB109986	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	0.0092		1	0.003		0.005	mg/L		06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95826	Date Received:	
Client Sample ID:	LOWPB109986	SDG No.:	LB95826
Lab Sample ID:	LOWPB109986	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: LB95826

SDG No.: LB95826

Contract: _____

Lab Code: CHEM

Case No.: LB95826

SAS No.: LB95826

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		06/05/2018	14:31	LB95826



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95826

SDG No.: LB95826

Contract: _____ Lab Code: CHEM

Case No.: LB95826

SAS No.: LB95826

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		06/05/2018	14:31	LB95826
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/05/2018	14:38	LB95826
CCV3	Cyanide	0.25	0.25	100		90 - 110		06/05/2018	14:46	LB95826
CCV4	Cyanide	0.26	0.25	104		90 - 110		06/05/2018	15:14	LB95826
CCV5	Cyanide	0.26	0.25	104		90 - 110		06/05/2018	15:14	LB95826



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95826

SDG No.: LB95826

Contract:

Lab Code: CHEM

Case No.: LB95826

SAS No.: LB95826

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00092	+/-0.005	U		0.005		06/05/2018	14:31	LB95826



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95826

SDG No.: LB95826

Contract:

Lab Code: CHEM

Case No.: LB95826

SAS No.: LB95826

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00063	+/-0.005	U		0.005		06/05/2018	14:31	LB95826
CCB2	Cyanide	-0.0011	+/-0.005	U		0.005		06/05/2018	14:38	LB95826
CCB3	Cyanide	-0.00051	+/-0.005	U		0.005		06/05/2018	14:46	LB95826
CCB4	Cyanide	-0.0014	+/-0.005	U		0.005		06/05/2018	15:14	LB95826
CCB5	Cyanide	-0.00071	+/-0.005	U		0.005		06/05/2018	15:14	LB95826



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95826

SDG No.: LB95826

Contract: Lab Code: CHEM

Case No.: LB95826

SAS No.: LB95826

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: LB95826

SDG No.: LB95826

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
PB109986BL	Cyanide	SOLID		Batch Number:		PB109986		Prep Date:	06/05/2018	
		-0.032	<0.25	U		0.25		06/05/2018	14:31	LB95826
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB109987BL	Cyanide	SOLID		Batch Number:		PB109987		Prep Date:	06/05/2018	
		-0.044	<0.25	U		0.25		06/05/2018	14:46	LB95826
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB109988BL	Cyanide	WATER		Batch Number:		PB109988		Prep Date:	06/05/2018	
		-0.00069	<0.005	U		0.005		06/05/2018	14:53	LB95826



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95826 level: low sdg no.: LB95826
contract: lab code: CHEM case no.: LB95826 sas no.: LB95826
matrix: Solid sample id: J2309-01 client id: ROCKY-SOILMS
Percent Solids for Sample: 80.5 Spiked ID: J2309-01MS Percent Solids for Spike Sample: 80.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.4		0.69		2.4	71	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95826 level: low sdg no.: LB95826
contract: lab code: CHEM case no.: LB95826 sas no.: LB95826
matrix: Solid sample id: J2309-01 client id: ROCKY-SOILMSD
Percent Solids for Sample: 80.5 Spiked ID: J2309-01MSD Percent Solids for Spike Sample: 80.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.3		0.69		2.4	67	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95826 level: low sdg no.: LB95826
contract: lab code: CHEM case no.: LB95826 sas no.: LB95826
matrix: Solid sample id: J3304-01 client id: FS-SOILMS
Percent Solids for Sample: 86.6 Spiked ID: J3304-01MS Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.2		0.052	J	2.2	98		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95826 level: low sdg no.: LB95826
contract: lab code: CHEM case no.: LB95826 sas no.: LB95826
matrix: Solid sample id: J3304-01 client id: FS-SOILMSD
Percent Solids for Sample: 86.6 Spiked ID: J3304-01MSD Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.052	J	2.2	89		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95826 level: low sdg no.: LB95826
contract: lab code: CHEM case no.: LB95826 sas no.: LB95826
matrix: WATER sample id: J3306-03 client id: A&M-WATERMS
Percent Solids for Sample: 0 Spiked ID: J3306-03MS 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	0.33		0.03	U	0.4	82.5		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95826 level: low sdg no.: LB95826
contract: lab code: CHEM case no.: LB95826 sas no.: LB95826
matrix: WATER sample id: J3306-03 client id: A&M-WATERMSD
Percent Solids for Sample: 0 Spiked ID: J3306-03MSD 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	0.33		0.03	U	0.4	82.5		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95826 **Level:** LOW **SDG No.:** LB95826
Contract: **Lab Code:** CHEM **Case No.:** LB95826 **SAS No.:** LB95826
Matrix: Solid **Sample ID:** J2309-01 **Client ID:** ROCKY-SOILDUP
Percent Solids for Sample: 80.5 **Duplicate ID** J2309-01DUP **Percent Solids for Spike Sample:** 80.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.69		0.67		3		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95826 **Level:** LOW **SDG No.:** LB95826
Contract: **Lab Code:** CHEM **Case No.:** LB95826 **SAS No.:** LB95826
Matrix: Solid **Sample ID:** J2309-01MS **Client ID:** ROCKY-SOILMSD
Percent Solids for Sample: 80.5 **Duplicate ID** J2309-01MSD **Percent Solids for Spike Sample:** 80.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.4		2.3		4		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95826 **Level:** LOW **SDG No.:** LB95826
Contract: **Lab Code:** CHEM **Case No.:** LB95826 **SAS No.:** LB95826
Matrix: Solid **Sample ID:** J3304-01 **Client ID:** FS-SOILDUP
Percent Solids for Sample: 86.6 **Duplicate ID** J3304-01DUP **Percent Solids for Spike Sample:** 86.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.052	J	0.046	J	12		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95826 **Level:** LOW **SDG No.:** LB95826
Contract: **Lab Code:** CHEM **Case No.:** LB95826 **SAS No.:** LB95826
Matrix: Solid **Sample ID:** J3304-01MS **Client ID:** FS-SOILMSD
Percent Solids for Sample: 86.6 **Duplicate ID** J3304-01MSD **Percent Solids for Spike Sample:** 86.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.2			2	10		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95826 **Level:** LOW **SDG No.:** LB95826
Contract: **Lab Code:** CHEM **Case No.:** LB95826 **SAS No.:** LB95826
Matrix: WATER **Sample ID:** J3306-03 **Client ID:** A&M-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J3306-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.03	U	0.0033	U			



GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95826 **Level:** LOW **SDG No.:** LB95826
Contract: **Lab Code:** CHEM **Case No.:** LB95826 **SAS No.:** LB95826
Matrix: WATER **Sample ID:** J3306-03MS **Client ID:** A&M-WATERMSD
Percent Solids for Sample: 0 **Duplicate ID** J3306-03MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.33		0.33		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95826

SDG No.: LB95826

Contract:

Lab Code: CHEM

Case No.: LB95826

SAS No.: LB95826

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109986BS Cyanide	mg/Kg	5	4.9		98	85 - 115	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95826 SDG No.: LB95826
Contract: Lab Code: CHEM Case No.: LB95826 SAS No.: LB95826

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109987BS Cyanide	mg/Kg	5	4.8		96	85 - 115	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95826

SDG No.: LB95826

Contract:

Lab Code: CHEM

Case No.: LB95826

SAS No.: LB95826

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109988BS Cyanide	mg/L	0.1	0.098		98	85 - 115	