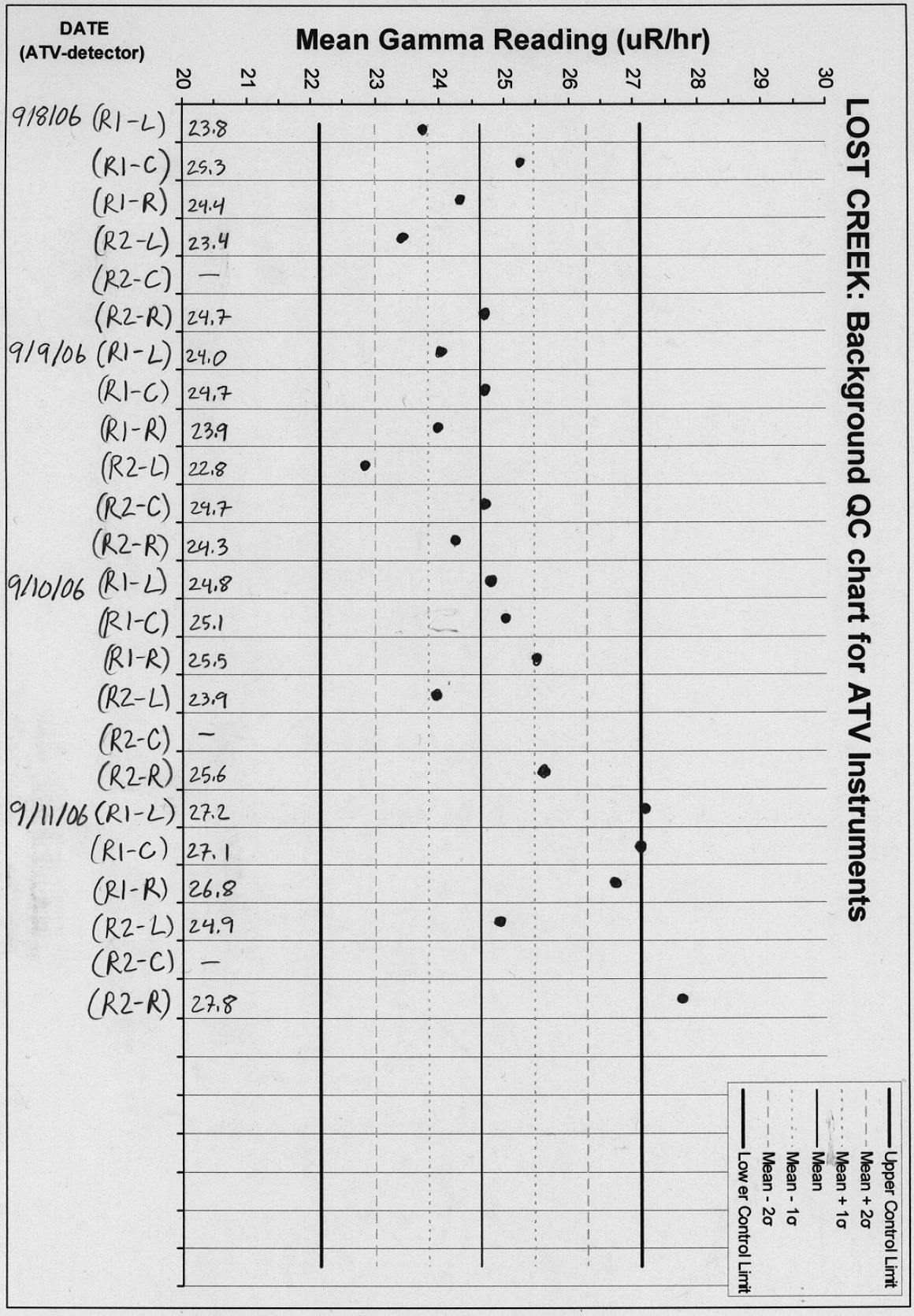
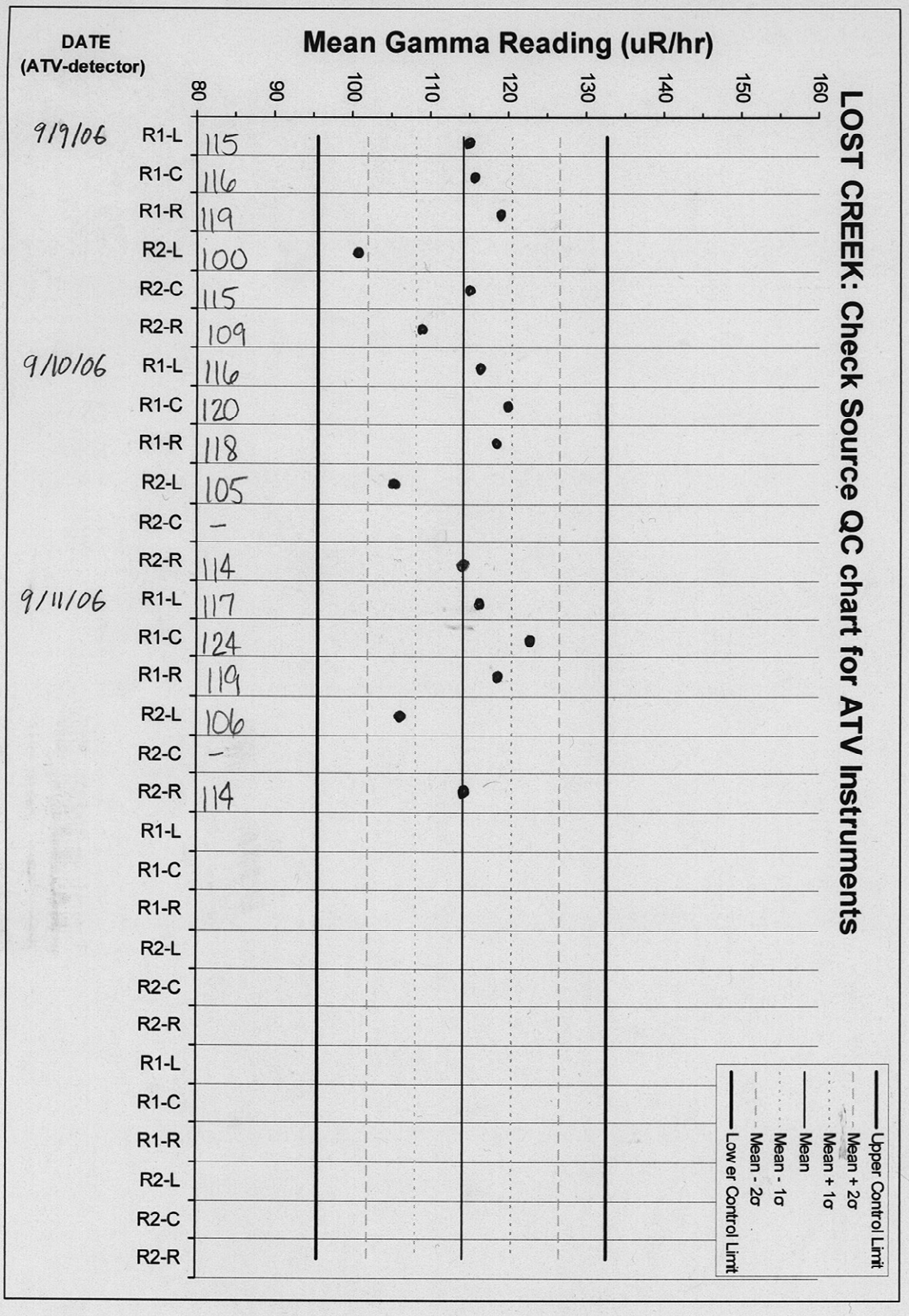
Attachment 3.12-2 Data Quality Control Documentation


LOST CREEK: Background QC chart for ATV Instruments
Mean Gamma Reading (uR/hr)
20
21
22
23
24
25
26
27
28
29
30
DATE
(ATV-detector)
9/8/06 (R1-L) 23.8
(R1-C) 25.3
(R1-R) 24.4
(R2-L) 23.4
(R2-C) —
(R2-R) 24.7
9/9/06 (R1-L) 24.0
(R1-C) 24.7
(R1-R) 23.9
(R2-L) 22.8
(R2-C) 24.7
(R2-R) 24.3
9/10/06 (R1-L) 24.8
(R1-C) 25.1
(R1-R) 25.5
(R2-L) 23.9
(R2-C) —
(R2-R) 25.6
9/11/06 (R1-L) 27.2
(R1-C) 27.1
(R1-R) 26.8
(R2-L) 24.9
(R2-C) —
(R2-R) 27.8
Upper Control Limit
Mean + 2σ
Mean + 1σ
Mean
Mean - 1σ
Mean - 2σ
Lower Control Limit

LOST CREEK: Check Source QC chart for ATV Instruments



ERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
ll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

QA/QC Summary Report

lient: MFG Inc
Project: Red Desert 181445

Report Date: 11/14/06
Work Order: C06100413

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: 12393
Sample ID: LCS-R74833	Laboratory Control Sample				Run: GAMMA EGG-ORTEC_06102				10/25/06 10:40
Radium 226	7.5	pCi/g-dry	1.0	87	80	120			
Sample ID: MB-R74833	Method Blank				Run: GAMMA EGG-ORTEC_06102				10/25/06 10:40
Radium 226	ND	pCi/g-dry	1						
Sample ID: C06100332-001ADUP	Sample Duplicate				Run: GAMMA EGG-ORTEC_06102				10/25/06 10:40
Radium 226	3400	pCi/g-dry	1.0				0.2	30	
Sample ID: C06100413-010ADUP	Sample Duplicate				Run: GAMMA EGG-ORTEC_06102				10/25/06 10:40
Radium 226	4.8	pCi/g-dry	1.0				2.1	30	
Sample ID: C06100413-020ADUP	Sample Duplicate				Run: GAMMA EGG-ORTEC_06102				10/25/06 10:40
Radium 226	4.5	pCi/g-dry	1.0				14	30	
Method: SW6020									Batch: 12397
Sample ID: MB-12397	Method Blank				Run: ICPMS2-C_061011A				10/11/06 18:29
Uranium	ND	mg/kg-dry	0.003						
Sample ID: LCS1-12397	Laboratory Control Sample				Run: ICPMS2-C_061011A				10/11/06 18:33
Uranium	1.06	mg/kg-dry	0.015	106	75	125			
Sample ID: C06100413-010A MS	Sample Matrix Spike				Run: ICPMS2-C_061011A				10/11/06 19:56
Uranium	28.2	mg/kg-dry	0.031	104	75	125			
Sample ID: C06100413-010A MSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_061011A				10/11/06 20:00
Uranium	28.5	mg/kg-dry	0.031	105	75	125	1.0	20	
Method: SW6020									Batch: 12398
Sample ID: MB-12398	Method Blank				Run: ICPMS2-C_061011A				10/11/06 16:29
Uranium	ND	mg/kg-dry	0.003						
Sample ID: LCS1-12398	Laboratory Control Sample				Run: ICPMS2-C_061011A				10/11/06 16:33
Uranium	1.12	mg/kg-dry	0.015	112	75	125			
Sample ID: C06100413-020A MS	Sample Matrix Spike				Run: ICPMS2-C_061011A				10/11/06 17:40
Uranium	32.4	mg/kg-dry	0.031	104	75	125			
Sample ID: C06100413-020A MSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_061011A				10/11/06 17:44
Uranium	32.6	mg/kg-dry	0.031	105	75	125	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.