PAGEOF_ CONCRETED BY:	<i>-</i>				
PADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY WASHINGTON, D.C. Surveillance No. COA-SR-97- OUALITY ASSURANCE SURVEILLANCE RECORD SURVEILANCE DATA ORDANIZATION/COATION: Calibration of Multisels V Calibration of Multisels V Calibration of Multisels V Calibration of Multisels V Calibration of Votre-Tech Multisels V, SN 3661 to close Deficiency Report (DR) J. Biaylock Calibration of Votre-Tech Multisels V, SN 3661 to close Deficiency Report (DR) J. Biaylock Additional Team Leader J. Biaylock SURVEILANCE RESULTS L. CONCURRENCE: J. Biaylock SURVEILANCE RESULTS L. MARCH MULTION/DESCRIPTION OF COSERVATIONS: SURVEILLANCE RESULTS L. MARCH MULticel Data U // 22 / 96 SURVEILANCE CONCURATION: SURVEILANCE CONCURATION: SURVEILANCE CONCURATION: SURVEILANCE RESULTS L. MARCH MULTION/DESCRIPTION OF COSERVATIONS: SURVEILLANCE RESULTS L. MARCH MULTION/DESCRIPTION OF COSERVATIONS: SURVEILLANCE RESULTS L. MARCH MULTING AND		·			PAGE_1OF
OUALITY ASSURANCE SURVEILLANCE RECORD SURVEILLANCE BATA 1. ORGANIZATIONLOCATION: 2. BUBLECT: Sandia Rubratonies Calibration by Primary Standards Laboratory (SNL), Albuquerque, NM Calibration of Multisels V 2. BURVEILLANCE GENECTIVE: Conscrete Statustion of Multisels V 2. BURVEILLANCE CONCENT S. BATE: Calibration of Multisels V, SN 3861 to close Deficiency Report (DR) 6. SURVEILLANCE TEAM: Team Leader: J. Blaylock Additional Team Members: N/A YM-96-D-074 N/A Surveillance Team Leader: Date Surveillance Team Leader: N/A 2. EXSS OF EVALUATIONDESCRIPTION OF CREEXVENTON: N/A Surveillance Team Leader: Date SURVEILLANCE RESULTS E CONCURRENCE: SULATION of the VDra-Tech Multisels V, SN 3861: The Instrument had been purchased as commercial grade and the endpropriate Information to allow the PSL to calibrate the Instrument. A memo from J. Schelling tof M. Lee, stored as the point of contact, NM. performing a calibra		• •	RADIOACTIVE U.S. DEPAR	WASTE MANAGEMENT	
SURVEILLANCE DATA 1. ORGANIZATION/COCATION: 2. BUELET: 2. BUELET: 2. BUELET: November 19, 1996 (SNL), Abuquerque, NM 2. BURVELLANCE DECTIVE: 0. SURVELLANCE DECTIVE: Observe collbration of Multisels V Calibration of Multisels V, SN 3861 to close Deficiency Report (DR) Calibration of Multisels V, SN 3861 to close Deficiency Report (DR) YM-96-D-074 NA SURVEILLANCE EXECTIVE: JE Javiock JE Javiock JE Javiock J. Blaytock J. Concursteence:					Surveillance No. OQA-SR-97-
T. ORGANIZATIONLOCATION: 2. SUBJECT: Sandia Rational Laboratories (SNL), Albuquerque, NM 2. SUBJECT: CPL), SNL 3. DATE: November 19, 1996 T. BURKELLANCE COLECTIVE: Observe calibration of Multisels V 5. DATE: November 19, 1996 5. DATE: November 19, 1996 Calibration of Multisels V 5. SUBJECTIVE: Observe calibration of Multisels V, SN 3861 to close Deficiency Report (DR) 6. SURVELLANCE TEAM: Team Leader: J. Blaylock T. PREDATEDEV; J. Blaylock 11/19/95 N/A T. BASIS OF EVALUATIONDESCRIPTION OF OSERVATIONS: N/A Date SUL had an open DR YM-96-D-074 (Fe Corrective Action Included the SNL PSL in Albuquerque, NM, performing a calibration of the Vbra-Tech Multisels V, SN 3861. The instrument had been purchased as commercial grade and th vendor had not been evaluated nor approved for inclusion on the Approved Suppliers List (SL), SNL opted to perfor the calibration at the PSL rather than qualifying and placing the vendor on the ASL. Two Yucca Montain Site Characterization Project (YMP)/SNL Individuals, J. Schelling and M. Lee, served as the point of contact with Vibra-Te to obtain the appropriate information to allow the PSL to calibrate the instrumentation requirements. As it turned on after further discussion with Vibra-Tech, the calibration method was probably incorrect. Also, reproducibility of the fe results were not reproducible prior to the instrumenta			QUALITY ASSURAN	CE SURVEILLANCE RECO	DRD
Sandia National Laboratories (SNU), Albuquerque, NM Calibration by Primary Standards Laboratory (PSL), SNL November 19, 1996 1. SURVELLANCE CONFORMET Calibration of Multisels V Sanveuer calibration of Multisels V Sanveuer calibration of Multisels V 2. Surveuer calibration of Multisels V, SN 3861 to close Deficiency Report (DR) Image: Surveuer calibration of Multisels V, SN 3861 to close Deficiency Report (DR) Image: Surveuer calibration of Multisels V, SN 3861 to close Deficiency Report (DR) 7. PREEMED BY: Image: Surveuer calibration of Multisels V, SN 3861 to close Deficiency Report (DR) Image: Surveuer calibration close Calibration Cole Calibra				EILLANCE DATA	· ·
Observe calibration of Multisets V 5. SURVELLANCE SCORE Calibration of Vibra-Tech Multisets V, SN 3861 to close Deficiency Report (DR) YM-96-D-074 PREPARED BY: J. Blaylock MA SURVELLANCE TEAM: J.Blaylock Additional Team Members: N/A J.Blaylock MA J.Blaylock J.Blaylock MA J.Blaylock Surveillance Team Leader Date OA Division Director Date <td>Sa</td> <td>andia National Laboratories</td> <td>Calibration by Prima</td> <td>ary Standards Laboratory</td> <td></td>	Sa	andia National Laboratories	Calibration by Prima	ary Standards Laboratory	
1. SURVELLANCE SCOPE: 6. SURVELLANCE TEAM: Calibration of Vibra-Tech Multisels V, SN 3861 to close Deficiency Report (DR) 6. SURVELLANCE TEAM: Team Leader: J. Blaylock Additional Team Members: N/A J. Blaylock 11/19/96 Surveilance Team Leader Date SURVELLANCE Team Leader Date SURVEILLANCE CONCURRENCE: Date SURVEILLANCE CONCURRENCE: Date SURVEILLANCE CONCURRENCE: Date SURVEILLANCE CONCURRENCE: Date Additional Team Members: N/A SURVEILLANCE Concurrence Team Leader Date SURVEILLANCE Concurrence Team Leader Date SURVEILLANCE Concurrence Team Leader Date Team Leader Date SURVEILLANCE Concurrence Team Leader Date DR M-86-D-074 c	0	bserve calibration of Multiseis V		······································	· · · · · · · · · · · · · · · · · · ·
1. PREPARED BY 11/19/96 N/A J. Blavlock 11/19/96 N/A Surveillance Team Leader Date N/A QA Division Director Date SURVEILLANCE RESULTS * EASIS OF EVALUATION/DESCRIPTION OF OESERVATIONS: SNL had an open DR YM-96-D-074; the Corrective Action included the SNL PSL in Albuquerque, NM, performing a calibration of the Vibra-Tech Multisels V, SN 3861. The instrument had been purchased as commercial grade and it vendor had not been evaluated nor approved for inclusion on the Approved Suppliers List (ASL). SNL opted to perfor the calibration at the PSL rather than qualifying and placing the vendor on the ASL. Two Yucca Mountain Site Characterization Project (YMP)/SNL Individuals, J. Schelling and M. Lee, served as ASL. Two Yucca Mountain Site Characterization Project (YMP)/SNL Individuals, J. Schelling and M. Lee, served as the point of contact with Vibra-Tech, the calibration method was probably incorrect. Also, reproducibility of the fe results were not reproducible prior to the instrumentation requirements. As it turned o after further discussion with Vibra-Tech, the calibration method was probably incorrect. Also, reproducibility of the fe results were not reproducible prior to the instrumentation malfunctioning to where further efforts to calibrate it were fit 10. SURVELLANCE CONCLUSIONS: DR YM-96-D-074 cannot be closed. SNL needs to determine what the calibration technique should be prior to anoth calibration attempt. The DR needs to be revisited to reevaluate the current response. 11. COMPLETED BY: 11/22/94 QA Division Director Date	5. Ci	SURVEILLANCE SCOPE: alibration of Vibra-Tech Multiseis		Deficiency Report (DR)	Team Leader:
1. PREPARED BY: 11/19/96 J. Blavlock 11/19/96 Surveillance Team Leader Date VA OA Division Director Surveillance Team Leader Date SURVEILLANCE RESULTS • BASIS OF EVALUATION/DESCRIPTION OF OSSERVATIONS: SNL had an open DR YM-96-D-074; the Corrective Action included the SNL PSL in Albuquerque, NM, performing a calibration of the Vibra-Tech Multiseis V, SN 3861. The instrument had been purchased as commercial grade and the vendor had not been evaluated nor approved for inclusion on the Approved Suppliers List (ASL). SNL opted to perform the calibration at the PSL rather than qualifying and placing the vendor on the ASL. Two Yucca Mountain Ste Characterization Project (YMP)/SNL individuals, J. Schelling and M. Lee, served as the point of contact with Vibra-Tech to obtain the appropriate information to allow the PSL to calibrate the Instrument. A memo from J. Schelling to L. Alzevedo set forth the method of calibration, acceptance criteria, and documentation requirements. As it turned o after further discussion with Vibra-Tech, the calibration method was probably incorrect. Also, reproducibility of the feresults were not reproducible prior to the instrumentation malfunctioning to where further efforts to calibrate it were fit 10. SURVELLANCE CONCLUSIONS: DR YM-96-D-074 cannot be closed. SNL needs to determine what the calibration technique should be prior to anoth calibration attempt. The DR needs to be revisited to reevaluate the current response. 11. COMPLETED BY: 11/22/94. J Blanful 11/22/94.		•			Additional Team Members:
J. Blavioch 11/19/96 N/A Surveillance Team Leader Date OA Division Director Date		,			N/A
Surveillance Team Leader Date QA Division Director Date SURVEILLANCE RESULTS 5. BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS: SNL had an open DR YM-96-D-074; the Corrective Action included the SNL PSL in Albuquerque, NM, performing a calibration of the Vibra-Tech Multisels V, SN 3861. The instrument had been purchased as commercial grade and it vendor had not been evaluated nor approved for inclusion on the Approved Suppliers List (ASL). SNL opted to perfor the calibration at the PSL mather than qualifying and placing the vendor on the ASL. Two Yucca Mountain Site Characterization Project (YMP)/SNL individuals, J. Schelling and M. Lee, served as the point of contact with Vibra-Tech to obtain the appropriate information to allow the PSL to calibrate the instrument. A memo from J. Schelling to L. Alzevedo set forth the method of calibration, acceptance criteria, and documentation requirements. As it turned o after further discussion with Vibra-Tech, the calibration method was probably incorrect. Also, reproducibility of the feresults were not reproducible prior to the instrumentation matfunctioning to where further efforts to calibrate it were for to struct the ventor on the ASL. Two Puce Mountain Site II were for the Vibra-Tech, the calibration technique should be prior to anoth calibration attempt. The DR needs to be revisited to reevaluate the current response. 11. COMPLETED BY: 11/22/96 12. APPROVED BY: J. Blauchd 11/22/96 Date Date	-	- Elizabel			
SURVEILLANCE RESULTS 9. BASIS OF EVALUATION/DESCRIPTION OF OESERVATIONS: SNL had an open DR YM-96-D-074; the Corrective Action included the SNL PSL in Albuquerque, NM, performing a calibration of the Vibra-Tech Multisels V, SN 3861. The instrument had been purchased as commercial grade and it vendor had not been evaluated nor approved for inclusion on the Approved Suppliers List (ASL). SNL opticate on the ASL. Two Yucca Mountain Site Characterization Project (YMP)/SNL individuals, J. Schelling and M. Lee, served as the point of contact with Vibra-Tec to obtain the appropriate information to allow the PSL to calibrate the instrument. A memo from J. Schelling to use forth the method of calibration, acceptance criteria, and documentation requirements. As It turned o after further discussion with Vibra-Tech, the calibration method was probably incorrect. Also, reproducibility of the for results were not reproducible prior to the instrumentation matfunctioning to where further efforts to calibrate it were for 10. SURVEILANCE CONCLUSIONS: DR YM-96-D-074 cannot be closed. SNL needs to determine what the calibration technique should be prior to anoth calibration attempt. The DR needs to be revisited to reevaluate the current response. 11. COMPLETED BY: 11/22/96. J. J					actor Date
9. BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS: SNL had an open DR YM-96-D-074; the Corrective Action included the SNL PSL in Albuquerque, NM, performing a calibration of the Vibra-Tech Multisels V, SN 3861. The instrument had been purchased as commercial grade and the vendor had not been evaluated nor approved for inclusion on the Approved Suppliers List (ASL). SNL opted to perfort the calibration at the PSL rather than qualifying and placing the vendor on the ASL. Two Yucca Mountain Site Characterization Project (YMP)/SNL individuals, J. Schelling and M. Lee, served as the point of contact with Vibra-Tech to obtain the appropriate Information to allow the PSL to calibrate the instrument. A memo from J. Schelling to L. Alzevedo set forth the method of calibration, acceptance criteria, and documentation requirements. As it turned o after further discussion with Vibra-Tech, the calibration method was probably incorrect. Also, reproducibility of the fere results were not reproducible prior to the instrumentation malfunctioning to where further efforts to calibrate it were for the SURVELLANCE CONCLUSIONS: DR YM-96-D-074 cannot be closed. SNL needs to determine what the calibration technique should be prior to anoth calibration attempt. The DR needs to be revisited to reevaluate the current response. 11. COMPLETED BY: 11/22/96 J. Burydal 11/22/96 QA Division Director Date		Carromarioo roum Loudor			
DR YM-96-D-074 cannot be closed. SNL needs to determine what the calibration technique should be prior to anoth calibration attempt. The DR needs to be revisited to reevaluate the current response. 11. COMPLETED BY: J. Blandord 11/22/96 Surveillance Team Leader 11/22/96 QA Division Director Date	th Cl to L. af	endor had not been evaluated no e calibration at the PSL rather th haracterization Project (YMP)/SI obtain the appropriate informati Alzevedo set forth the method fer further discussion with Vibra-	or approved for inclusion nan qualifying and place NL individuals, J. Sche ion to allow the PSL to of calibration, acceptato Tech, the calibration i	on on the Approved Supplie cing the vendor on the ASL. elling and M. Lee, served as o calibrate the instrument. A nce criteria, and documenta method was probably incorr	ers List (ASL). SNL opted to perfo Two Yucca Mountain Site the point of contact with Vibra-Te memo from J. Schelling to ation requirements. As it turned on ect. Also, reproducibility of the fer
calibration attempt. The DR needs to be revisited to reevaluate the current response. 11. COMPLETED BY: J. Blaybol 11/22/96 Surveillance Team Leader Date	10	. SURVEILLANCE CONCLUSIONS:		······································	
J Blaybock 11/22/96 Surveillance Team Leader Date QA Division Director Date		R YM-96-D-074 cannot be close			
J Blayboch 11/22/96 Surveillance Team Leader Date QA Division Director Date					
J. Blaybock 11/22/96 Surveillance Team Leader Date QA Division Director Date					
J. Blaybock 11/22/96 Surveillance Team Leader Date QA Division Director Date					
J Blayboch 11/22/96 Surveillance Team Leader Date QA Division Director Date					
Surveillance Team Leader Date QA Division Director Date					
Exhibit QAP-2.8.1 REV.	CS	alibration attempt. The DR need		evaluate the current respons	
	CS	alibration attempt. The DR need	Is to be revisited to ree $\frac{11/22}{96}$	evaluate the current respons	se.

. .

٠

• .

•

L. D. Foust

cc w/encl:

D. A. Dreyfus, DOE/HQ (RW-1) FORS R. W. Clark, DOE/HQ (RW-3,1) FORS T. A. Wood, DOE/HQ (RW-55) FORS J. G. Spraul, NRC, Washington, DC W. L. Belke, NRC, Las Vegas, NV R. R. Loux, NWPO, Carson City, NV Jim Regan, Churchill County, Fallon, NV D. A. Bechtel, Clark County, Las Vegas, NV Susan Dudley, Esmeralda County, Goldfield, NV Sandy Green, Eureka County, Eureka, NV Tammy Manzini, Lander County, Austin, NV V. E. Poe, Mineral County, Hawthorne, NV Wayne Cameron, White Pine County, Ely, NV B. R. Mettam, County of Inyo, Independence, CA Mifflin and Associates, Las Vegas, NV M. J. Clevenger, M&O/LANL, Los Alamos, NM Donald Mangold, M&O/LBNL, Berkeley, CA R. E. Monks, M&O/LLNL, Livermore, CA S. Y. Pickering, M&O/SNL, Albuquerque, NM, M/S 1395 R. E. Armstrong, M&O, Las Vegas, NV R. A. Morgan, M&O, Las Vegas, NV T. H. Chaney, USGS, Denver, CO **Records Processing Center**

-2-