

C.J. Bruyn & CO.
The ECD Specialist

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LEAK-TEST RECORD SHEET

Fill in the blanks

Client: _____

RSO: _____ Alternate: _____

Company: _____ Billing Name: _____

Address: _____ Billing Address: _____

Phone #: _____ Fax #: _____ E-mail Address: _____

P.O. #: _____ Check #: _____ Wipe-Taker's (W.T.) Name: _____

Wipe Kit Distribution Program (you will receive your next kits automatically) - :# of kits _____ Next month _____

This important form will be returned to you, to be filed & displayed in the event of an inspection.

This form may be used for up to 10 different ECDs or several consecutive surveys of one or more ECDs.
 Manufacturer (MF): **V**-Varian, **HP**-Hewlett-Packard/ **A**-Agilent, **PE**-Perkin Elmer, **SH**-Shimadzu, **T**-Tracor, **OT**-Other:

	MF	S/N	W.T.-Signature	Micro Ci.X10E-3	CJB-Signature	Date
1.				•		
2.				•		
3.				•		
4.				•		
5.				•		
6.				•		
7.				•		
8.				•		
9.				•		
10.				•		

DO NOT DISPOSE: When this form is signed and part of a Wipe-Kit, each swab enclosed with it has been used to swipe a Radioactive Material containing device. Any one may hold some Radioactivity. The content has not yet been measured but is expected to be very low. It is highly unlikely that any radiation above back-ground is detectable on the exterior of the zip-lock bag(s). However, the swabs may not be disposed of as regular waste, prior to having been analysed. For answers to questions, contact CJ Bruyn & CO. 800-252-7896 E-mail: cjbruyn@msn.com

Place sheet so Address shows thru envelope window.

<u>Price Schedule</u>	
Leak Test Analyses	
1-5.....	\$25.00
6-10.....	\$22.50
11-15.....	\$21.00
16-20.....	\$19.75
21>.....	\$19.00

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NICKEL - 63 ECD SURVEY INSTRUCTION

This Document must accompany the C.J. Bruyn & CO. Wipe-Kit.

GENERAL INFORMATION

The level at which a device is considered contaminated, has been reached when the amount of removable activity is measured to be .005 Micro Curie or more. At that point, use of the ECD must immediately be suspended. Furthermore, the Radiation Authorities must be contacted by phone after discovery and by registered mail to inform them of the action which will or has been taken.

To avoid this and subsequent hassles, C.J. Bruyn & CO. has chosen a level 10 times lower, at which the ECD user is advised to send the detector in for cleaning, at the first convenient moment. To give our clients a better idea about the status where the ECD is in terms of the removable activity, C.J.B. & CO. marks the report with the actual reading, rather than only indicate that the removable amount is less than .005 Micro Curie, as is customary. As shown on the Leak-Test Record Sheet, our readings are recorded in units one thousand times smaller. The maximum allowable level of removable Radioactivity is reached when the reading is 5.000 Micro Curie X 10E-3 (Times 10 with Exponent -3= 1/1000)

Typically the amount of removable activity is less than .150 Micro Curie X 10E-3.

WIPE INSTRUCTION

To take a wipe from an ECD it must be at room temperature. An ECD does not need to be removed from the GC to perform a survey.

The C.J.B. & CO. Wipe-Kit consists out of two separated cotton-tipped swabs in a plastic "Zip-Loc" bag. **The regulations require that you moisten the swabs prior to use. This is to improve "pick-up ability". (Dip in pure alcohol and swing out excess.)**

Both wipes are to be taken from the total metal surface area of the ECD but not the insulation material.

Typically the first wipe will have a somewhat higher reading than the second. Having two readings will give an indication of the removability of the radioactivity. The amount shown on the Record Sheet is the average of the two measurements.

To avoid fiber-glass particles or dust from effecting the reading, it is recommended that the ECD surface be lightly dusted with a clean moist cloth, after the cover is removed. Avoid touching the to-be-wiped parts. Wash the hands well, before and after performing the survey or use surgical gloves. Only touch the upper inches of the applicators.

Be sure to Sign and Date the LEAK-TEST RECORD SHEET. Also write the ECD S/N on both the RECORD SHEET and the Zip-Loc Bag containing the Swabs.

Beginning at the top apply moderate pressure while rubbing the rotating cotton covered end of the first swab over the ECD's surface towards the exit of the ECD, at the vent tube. Place this swab in the zip-loc baggie. With the second swab, repeat the process, again starting at the least likely contaminated area of the ECD, toward the most likely contaminated area. You need not remove the column insert.

NOTE: When starting up your GC, allow the ECD to heat up, prior to turning on the column oven.