

PACKAGE ID - 001285IBMPC00 ICPCALC

KWIC TITLE - ICP-MS Data Analysis Software

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LIMITATION CODE -COPY **AUDIENCE CODE** - LIM

COMPLETION DATE - 08/08/1997 **PUBLICATION DATE** - 08/08/1997

DESCRIPTION - VG2X1 - this program reads binary data files generated by VG instrumentals inductively coupled plasma-mass spectrometers using PlasmaQuad Software Version 4.2.1 and 4.2.2 running under IBM OS/2. ICPCalc - this module is a macro for Microsoft Excel written in VBA (Virtual Basic for Applications) that performs data analysis for ICP-MS data required for nuclear materials that cannot readily be done with the vendor's software. VG2GRAMS - This program reads binary data files generated by VG instruments inductively coupled plasma mass spectrometers using PlasmaQuad software versions 4.2.1 and 4.2.2 running under IBM OS/2.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media Includes Executable, User Instruction;

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - 1 3.5 Diskette

METHOD OF SOLUTION - Already addressed in description.

COMPUTER - IBM PC

OPERATING SYSTEMS - DOS-Windows 95 Microsoft Office

PROGRAMMING LANGUAGES - QuickBasic4.5 VBA (Visual Basic for Applications in Excel 7.0)

SOFTWARE LIMITATIONS - Reads only ICP-MS binary data files generated by VG Elemental's PlasmaQuad Software Versions 4.2.1 and 4.2.2 running under OS/2. Excel macro requires experimental data to be in specified order.

SOURCE CODE AVAILABLE (Y/N) - N

UNIQUE FEATURES - The unique feature of this software is that the Excel macro performs automated calculations that take much longer to do manually, it leaves and archival audit of the calculations, and performs calculations for nuclear materials not available in commercial packages. In addition, since all of the file reading and creation is done in binary format, there is considerable saving of computer disk space and editing time in examining the experimental

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UNIQUE FEATURES - (CONT) data.

RELATED SOFTWARE - Microsoft Excel, Galactic Software GRAMS/32.

TIME REQUIREMENTS - Depends on number of data files generally less than a minute.

ABSTRACT STATUS - Released AS-IS 2/19/1999.

SUBJECT CLASS CODE - Z

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
I CODES
SPECTROMETERS
PLASMA
FISSION
DATA

EDB SUBJECT CATEGORIES -
990200

SPONSOR - DOE/DP

PACKAGE TYPE - AS - IS