

<b>TOC Chemlab</b>
GC#1-NGA
GC#3
Coulometer
Balances
CHNS
ICP
Spectrophotometer
Dionex - IC
Freeze Dryer
GC-MSD
H2 Generator
Water system
Jun-Air
Carver Press
Microlab dilutor
Titration
Furnace
Rock Eval

<b>A</b>	<b>Instrument</b>	<b>NGA</b>
	<b>ODP #</b>	05331
	<b>Model</b>	<b>6890 II Plus</b>
	<b>Vendor</b>	<b>HP</b>
	<b>Date of purchase</b>	1/5/1999
	<b>Date of installation</b>	1/5/1999
<b>B</b>	<b>Vendor manual</b>	Printed, "HP6890 Series Gas Chromatograph Operating Manual) volumes 1,2, and 3"
	<b>schematic</b>	Printed, "HP 6890 series Gas Chromatograph Service Manual"
<b>C</b>	<b>Cookbook (STD)</b>	Electronic, "GC 210"
	<b>Cookbook (special)</b>	None
<b>D</b>	<b>Software</b>	<b>Chemstation</b>
	<b>version</b>	A.09.03
	<b>installation date</b>	Leg 206
<b>E</b>	<b>Instrument hardware setup</b>	Printed, "HP 6890 Series Gas Chromatograph Site Preparation and Installation Manual"
	<b>Instrument upgrade</b>	Valco Conversion
<b>F</b>	<b>Maintenance log</b>	Composition Book, "GC3 Loogbook"
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>hydrocarbon gas</b>
	<b>sample type</b>	<b>HS, VAC</b>
	<b>specification/accuracy</b>	<b>H2 analysis from Leg 199</b>
<b>H</b>	<b>Spare parts</b>	
	<b>Consumables</b>	
	<b>Supporting system</b>	<b>He, Purified Air, H<sub>2</sub></b>
	<b>Comments</b>	SN US00024048

<b>A</b>	<b>Instrument</b>	<b>GC3</b>
	<b>ODP #</b>	05330
	<b>Model</b>	<b>6890 II Plus</b>
	<b>Vendor</b>	<b>HP</b>
	<b>Date of purchase</b>	1/5/1999
	<b>Date of installation</b>	1/5/1999
<b>B</b>	<b>Vendor manual</b>	Printed, "HP6890 Series Gas Chromatograph Operating Manual) volumes 1,2, and 3"
	<b>schematic</b>	Printed, "HP 6890 series Gas Chromatograph Service Manual"
<b>C</b>	<b>Cookbook (STD)</b>	Electronic, "GC 210"
	<b>Cookbook (special)</b>	None
<b>D</b>	<b>Software</b>	<b>Chemstation</b>
	<b>version</b>	A.09.03
	<b>installation date</b>	Leg 206
<b>E</b>	<b>Instrument hardware setup</b>	Printed, "HP 6890 Series Gas Chromatograph Site Preparation and Installation Manual"
	<b>Instrument upgrade</b>	None
<b>F</b>	<b>Maintenance log</b>	Composition Book, "GC3 Loogbook"
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>hydrocarbon gas</b>
	<b>sample type</b>	<b>HS, VAC</b>
	<b>specification/accuracy</b>	<b>H2 analysis from Leg 199</b>
<b>H</b>	<b>Spare parts</b>	<b>Simian</b>
	<b>Consumables</b>	<b>Simian</b>
	<b>Supporting system</b>	<b>PC, He, Purified Air, H<sub>2</sub></b>
	<b>Comments</b>	SN US00024489

<b>A</b>	<b>Instrument</b>	<b>Coulometer</b>
	<b>ODP #</b>	01304
	<b>Model</b>	<b>N/A</b>
	<b>Vendor</b>	<b>Coulometrics</b>
	<b>Date of purchase</b>	6/23/1986
	<b>Date of installation</b>	6/23/1986
<b>B</b>	<b>Vendor manual</b>	Printed, "Coulometer Instruction Manual"
	<b>schematic</b>	None
<b>C</b>	<b>Cookbook (STD)</b>	Electronic, "Coulometer v210"
	<b>Cookbook (special)</b>	none
<b>D</b>	<b>Software</b>	<b>ODP Balance/Coulometer</b>
	<b>version</b>	207
	<b>installation date</b>	Leg 207
<b>E</b>	<b>Instrument hardware setup</b>	Detailed in STD Cookbook
	<b>Instrument upgrade</b>	N/A
<b>F</b>	<b>Maintenance log</b>	Composition Notebook, "Coulometer LogBook"
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Determination of organic carbon content.</b>
	<b>sample type</b>	<b>Freeze dried powdered samples.</b>
	<b>specification/accuracy</b>	<b>Depends on range</b>
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>Water Chiller, PC, ODP LabView Application</b>
	<b>Comments</b>	

<b>A</b>	<b>Instrument</b>	<b>Cahn Balance</b>
	<b>ODP #</b>	02344
	<b>Model</b>	<b>31</b>
	<b>Vendor</b>	<b>Cahn</b>
	<b>Date of purchase</b>	7/15/1992
	<b>Date of installation</b>	7/15/1992
<b>B</b>	<b>Vendor manual</b>	Printed, "Cahn Instruction Manual"
	<b>schematic</b>	Printed, "Cahn 28/29 Automatic Electrobalance W/ RS232 Output (Owner's Manual)"
<b>C</b>	<b>Cookbook (STD)</b>	Electronic, "Balance Hardware and Software v210"
	<b>Cookbook (special)</b>	None
<b>D</b>	<b>Software</b>	<b>ODP Balance/Couloumeter</b>
	<b>version</b>	207
	<b>installation date</b>	Leg 207
<b>E</b>	<b>Instrument hardware setup</b>	None
	<b>Instrument upgrade</b>	None
<b>F</b>	<b>Maintenance log</b>	None
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Determination of Mass</b>
	<b>sample type</b>	<b>Liquid, Solid, 0-250mg</b>
	<b>specification/accuracy</b>	
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>PC, ODP LabView Application</b>
	<b>Comments</b>	SN 76487

<b>A</b>	<b>Instrument</b>	<b>Elemental Analyzer</b>
	<b>ODP #</b>	01766
	<b>Model</b>	<b>NA-1500</b>
	<b>Vendor</b>	<b>Carlo Erba</b>
	<b>Date of purchase</b>	11/3/1988
	<b>Date of installation</b>	11/3/1988
<b>B</b>	<b>Vendor manual</b>	Printed, "Carlo Erba Instruments Nitrogen Analyzer Instruction Manual"
	<b>schematic</b>	Printed, "Carlo Erba Nitrogen Analyzer 1500 Schematics Envelope"
<b>C</b>	<b>Cookbook (STD)</b>	Printed, "NCHS Instrument Setup Notebook Binder"
	<b>Cookbook (special)</b>	Printed, "NCHS Example Runs"
<b>D</b>	<b>Software</b>	<b>Eager2000</b>
	<b>version</b>	2.02
	<b>installation date</b>	1/7/1990
<b>E</b>	<b>Instrument hardware setup</b>	Printed, "NCHS Instrument Setup Notebook Binder"
	<b>Instrument upgrade</b>	None
<b>F</b>	<b>Maintenance log</b>	Composition Book, "NCHS Log Book 1-3"
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Mass Percent of: Carbon, Hydrogen, Nitrogen, Sulfur</b>
	<b>sample type</b>	<b>Powderded, 10mg</b>
	<b>specification/accuracy</b>	
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>PC, He, Microbalance, Purified Air, H<sub>2</sub></b>
	<b>Comments</b>	SN 227804 2804A04349 28

<b>A</b>	<b>Instrument</b>	<b>ICP</b>
	<b>ODP #</b>	05669
	<b>Model</b>	<b>Ultra-Ace 2000</b>
	<b>Vendor</b>	<b>Jobin Yvon Emission</b>
	<b>Date of purchase</b>	10/29/1999
	<b>Date of installation</b>	10/29/1999
<b>B</b>	<b>Vendor manual</b>	Printed
	<b>schematic</b>	Printed, with manual
<b>C</b>	<b>Cookbook (STD)</b>	"ICP Startup/Shutdown Procedure", cookbook
	<b>Cookbook (special)</b>	"ICP Concepts v210", "ICP Hard Rock Analysis v210", "ICP Interstitial Water Analysis v210", "ICP Maintenance v210"
<b>D</b>	<b>Software</b>	<b>Jobin Yvon</b>
	<b>version</b>	5.1
	<b>installation date</b>	Leg 197
<b>E</b>	<b>Instrument hardware setup</b>	Printed, "ICP Setup/Maintenance"
	<b>Instrument upgrade</b>	
<b>F</b>	<b>Maintenance log</b>	Composition Books, "ICP Log 1-4"
	<b>vendor repair log</b>	Yes, Individual Binder
<b>G</b>	<b>Appliaction/operational use</b>	<b>Determination of Elemental Concentration</b>
	<b>sample type</b>	<b>Dissolved Sample</b>
	<b>specification/accuracy</b>	
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>Ar, N, PC</b>
	<b>Comments</b>	SN TB 9260895

<b>A</b>	<b>Instrument</b>	<b>Spectrophotometer</b>
	<b>ODP #</b>	02146
	<b>Model</b>	<b>301</b>
	<b>Vendor</b>	<b>Perkin Elmer</b>
	<b>Date of purchase</b>	8/27/1990
	<b>Date of installation</b>	8/27/1990
<b>B</b>	<b>Vendor manual</b>	Printed, "Milton Roy Spectronic 301 Spectrophotometer Operator's Instructions"
	<b>schematic</b>	Printed, "Milton Roy Spectronic 301 Spectrophotometers and Accessories Service Information"
<b>C</b>	<b>Cookbook (STD)</b>	None
	<b>Cookbook (special)</b>	Chem Labe Procedures, V210 (use in photometric determinations)
<b>D</b>	<b>Software</b>	<b>N/A</b>
	<b>version</b>	<b>N/A</b>
	<b>installation date</b>	<b>N/A</b>
<b>E</b>	<b>Instrument hardware setup</b>	Printed Manual
	<b>Instrument upgrade</b>	Mr. Sipper Flowcell
<b>F</b>	<b>Maintenance log</b>	Composition Book
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Photometric Determination</b>
	<b>sample type</b>	<b>Liquid</b>
	<b>specification/accuracy</b>	<b>Depends on wavelength</b>
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>None</b>
	<b>Comments</b>	SN 3802033001



<b>A</b>	<b>Instrument</b>	<b>Ion Chromatograph</b>
	<b>ODP #</b>	04995
	<b>Model</b>	<b>DX-120</b>
	<b>Vendor</b>	<b>Dionex</b>
	<b>Date of purchase</b>	11/26/1997
	<b>Date of installation</b>	11/26/1997
<b>B</b>	<b>Vendor manual</b>	Printed, "Dionex DX-120 Ion Chromatograph Operator's Manual"
	<b>schematic</b>	Printed, "Dionex DX-120 Ion Chromatograph Operator's Manual"
<b>C</b>	<b>Cookbook (STD)</b>	Electronic, "Dionex Manual" Cookbook
	<b>Cookbook (special)</b>	Electronic, "Dionex Install Guide", "Dionex Quick Summary"
<b>D</b>	<b>Software</b>	<b>Peaknet</b>
	<b>version</b>	2.4.1113
	<b>installation date</b>	11/26/1997
	<b>Instrument hardware setup</b>	"Dionex Install Guide" Cookbook
	<b>Instrument upgrade</b>	AS3500 Autosampler
<b>F</b>	<b>Maintenance log</b>	Composition Book
	<b>vendor repair log</b>	Binder
<b>G</b>	<b>Appliaction/operational use</b>	<b>Determination of Dissolved Ion Species/Concentration</b>
	<b>sample type</b>	<b>Water</b>
	<b>specification/accuracy</b>	
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>PC, AS3500 Autosampler, He, Nanopure, Anion and Cation Solutions</b>
	<b>Comments</b>	SN 97090361

<b>A</b>	<b>Instrument</b>	<b>Freeze Dryer</b>
	<b>ODP #</b>	01552
	<b>Model</b>	
	<b>Vendor</b>	<b>Labconco</b>
	<b>Date of purchase</b>	10/7/1987
	<b>Date of installation</b>	10/7/1987
<b>B</b>	<b>Vendor manual</b>	Printed
	<b>schematic</b>	None
<b>C</b>	<b>Cookbook (STD)</b>	None
	<b>Cookbook (special)</b>	Chem Lab Procedures, v210
<b>D</b>	<b>Software</b>	<b>N/A</b>
	<b>version</b>	<b>N/A</b>
	<b>installation date</b>	<b>N/A</b>
<b>E</b>	<b>Instrument hardware setup</b>	<b>None</b>
	<b>Instrument upgrade</b>	<b>None</b>
<b>F</b>	<b>Maintenance log</b>	<b>None</b>
	<b>vendor repair log</b>	<b>None</b>
<b>G</b>	<b>Appliaction/operational use</b>	<b>Freeze Drying of samples</b>
	<b>sample type</b>	<b>Solid</b>
	<b>specification/accuracy</b>	
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	
	<b>Comments</b>	SN 169969

<b>A</b>	<b>Instrument</b>	<b>GS/Mass Selective Detector</b>
	<b>ODP #</b>	
	<b>Model</b>	<b>HP6890/5973</b>
	<b>Vendor</b>	<b>Agilent</b>
	<b>Date of purchase</b>	
	<b>Date of installation</b>	
<b>B</b>	<b>Vendor manual</b>	Printed, "HP 5973 Mass Selective Detector Hardware Installation Manual", "HP 5973 Mass Selective Detector Hardware Manual"
	<b>schematic</b>	Printed, "HP 5973 MSD Hardware Manual Supplement"
<b>C</b>	<b>Cookbook (STD)</b>	Printed, "GC/MSD Set Up and Example Runs Binder"
	<b>Cookbook (special)</b>	None
<b>D</b>	<b>Software</b>	<b>Chemstation</b>
	<b>version</b>	7.02B
	<b>installation date</b>	Leg 205
<b>E</b>	<b>Instrument hardware setup</b>	Printed, "GC/MSD Set Up and Example Runs Binder"
	<b>Instrument upgrade</b>	None
<b>F</b>	<b>Maintenance log</b>	Composition Book, "GC/MSD Logbook"
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Determination of Type/Amount of substance</b>
	<b>sample type</b>	<b>Liquid</b>
	<b>specification/accuracy</b>	
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>He, PC, Vacuum Pump</b>
	<b>Comments</b>	

	<b>Instrument</b>	<b>Hydrogen Generator(1)</b>	<b>Hydrogen Generator(2)</b>
<b>A</b>	<b>ODP #</b>	03527	02858
	<b>Model</b>	<b>8400</b>	9400
	<b>Vendor</b>	<b>Packard</b>	<b>Packard</b>
	<b>Date of purchase</b>	4/1/1992	1/19/1994
	<b>Date of installation</b>		
<b>B</b>	<b>Vendor manual</b>	Printed, "Hydrogen Generator Binder: Models 9100/9200/9400 Hydrogen Generator Operation Manual; Models 8200/8400 Hydrogen Generator Operation Manual"	Printed, "Hydrogen Generator Binder: Models 9100/9200/9400 Hydrogen Generator Operation Manual; Models 8200/8400 Hydrogen Generator Operation Manual"
	<b>schematic</b>	None	None
<b>C</b>	<b>Cookbook (STD)</b>	None	None
	<b>Cookbook (special)</b>	Electronic, "Chem Lab Procedures, v210"	Electronic, "Chem Lab Procedures, v210"
<b>D</b>	<b>Software</b>	<b>N/A</b>	<b>N/A</b>
	<b>version</b>	<b>N/A</b>	<b>N/A</b>
	<b>installation date</b>	<b>N/A</b>	<b>N/A</b>
<b>E</b>	<b>Instrument hardware setup</b>	Electronic, "Chem Lab Procedures, v210"	Electronic, "Chem Lab Procedures, v210"
	<b>Instrument upgrade</b>	None	None
<b>F</b>	<b>Maintenance log</b>	Composition Notebook, "H <sub>2</sub> Generator Maintenance"	Composition Notebook, "H <sub>2</sub> Generator Maintenance"
	<b>vendor repair log</b>	None	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Generation of H<sub>2</sub></b>	<b>Generation of H<sub>2</sub></b>
	<b>sample type</b>	<b>N/A</b>	<b>N/A</b>
	<b>specification/accuracy</b>	99.95%	99.95%
<b>H</b>	<b>Spare parts</b>	Siman	Siman
	<b>Consumables</b>	Siman	Siman
	<b>Supporting system</b>	<b>Barnstead/Nanopure</b>	<b>Barnstead/Nanopure</b>
	<b>Comments</b>	SN 601943	SN 603202

<b>A</b>	<b>Instrument</b>	<b>RoPure</b>	Nanopure
	<b>ODP #</b>	02814	03089
	<b>Model</b>	<b>D6311</b>	D4741
	<b>Vendor</b>	<b>Barnstead</b>	Barnstead
	<b>Date of purchase</b>	12/8/1993	4/18/1994
	<b>Date of installation</b>	12/8/1993	4/18/1994
<b>B</b>	<b>Vendor manual</b>	Printed, "Binder for Barnstead Water Purification System"	Printed, "Binder for Barnstead Water Purification System"
	<b>schematic</b>	Printed, "Binder for Barnstead Water Purification System"	Printed, "Binder for Barnstead Water Purification System"
<b>C</b>	<b>Cookbook (STD)</b>	None	None
	<b>Cookbook (special)</b>	Electronic, "Chem Lab Procedures, v210"	Electronic, "Chem Lab Procedures, v210"
<b>D</b>	<b>Software</b>	<b>None</b>	<b>None</b>
	<b>version</b>	<b>None</b>	<b>None</b>
	<b>installation date</b>	<b>None</b>	<b>None</b>
<b>E</b>	<b>Instrument hardware setup</b>	None	None
	<b>Instrument upgrade</b>	None	None
<b>F</b>	<b>Maintenance log</b>	Composition Book, "RoPure Maintenance Log"	Composition Book, "Nanopure Maintenance Log"
	<b>vendor repair log</b>	None	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Purification of Water</b>	<b>Purification of Water</b>
	<b>sample type</b>		
	<b>specification/accuracy</b>		resistance > 17 MegaOhm
<b>H</b>	<b>Spare parts</b>	Siman	Siman
	<b>Consumables</b>	Siman	Siman
	<b>Supporting system</b>	<b>Water</b>	RoPure
	<b>Comments</b>	SN 631931014170	SN 747931125585

<b>A</b>	<b>Instrument</b>	<b>Jun-Air</b>	Air Purifier
	<b>ODP #</b>	03934	02484
	<b>Model</b>		AS80
	<b>Vendor</b>	<b>Jun</b>	Alltech
	<b>Date of purchase</b>	6/22/1995	1/8/1993
	<b>Date of installation</b>	6/22/1995	1/8/1993
<b>B</b>	<b>Vendor manual schematic</b>	Printed, "Jun-Air Compressor Binde"	Printed, "Signal AS80 Air Purifier Manual"
		Printed, "Jun-Air Compressor Binde"	Printed, "Signal AS80 Air Purifier Manual"
<b>C</b>	<b>Cookbook (STD)</b>	None	None
	<b>Cookbook (special)</b>	Electronic, "Chem Lab SOP v 210"	Electronic, "Chem Lab SOP v 210"
<b>D</b>	<b>Software version</b>	<b>N/A</b>	<b>N/A</b>
	<b>installation date</b>	None	None
		None	None
<b>E</b>	<b>Instrument hardware setup</b>	None	None
	<b>Instrument upgrade</b>	None	None
<b>F</b>	<b>Maintenance log</b>	Composition Book	Composition Book
	<b>vendor repair log</b>	None	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Compression of Air, High Quality</b>	Purification of Compressed Air
	<b>sample type</b>		
	<b>specification/accuracy</b>		99.99% Moisture/Oil Free
<b>H</b>	<b>Spare parts</b>	Siman	Siman
	<b>Consumables</b>	Siman	Siman
	<b>Supporting system</b>	<b>Air Purifier</b>	Jun-Air
	<b>Comments</b>	SN 331273	SN 6966

<b>A</b>	<b>Instrument</b>	<b>Carver Press</b>	<b>Carver Press</b>	<b>Carver Press</b>
	<b>ODP #</b>	00353	00354	00356
	<b>Model</b>	<b>2702</b>	<b>2702</b>	<b>2702</b>
	<b>Vendor</b>	<b>Carver</b>	<b>Carver</b>	<b>Carver</b>
	<b>Date of purchase</b>	11/5/1984	11/5/1984	11/5/1984
	<b>Date of installation</b>	11/18/1984	11/18/1984	11/18/1984
<b>B</b>	<b>Vendor manual</b>	Printed, "Carver Presses Motorization Package Setup, Operation, Maintenance and Parts List"	Printed, "Carver Presses Motorization Package Setup, Operation, Maintenance and Parts List"	Printed, "Carver Presses Motorization Package Setup, Operation, Maintenance and Parts List"
	<b>schematic</b>	Printed, "Carver Presses Motorization Package Setup, Operation, Maintenance and Parts List"	Printed, "Carver Presses Motorization Package Setup, Operation, Maintenance and Parts List"	Printed, "Carver Presses Motorization Package Setup, Operation, Maintenance and Parts List"
<b>C</b>	<b>Cookbook (STD)</b>	None	None	None
	<b>Cookbook (special)</b>	Electronic, "Chem Lab Procedures v 210" (squeezing)	Electronic, "Chem Lab Procedures v 210" (squeezing)	Electronic, "Chem Lab Procedures v 210" (squeezing)
<b>D</b>	<b>Software</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
	<b>version</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
	<b>installation date</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>E</b>	<b>Instrument hardware setup</b>	Manual, Printed	Manual, Printed	Manual, Printed
	<b>Instrument upgrade</b>	Electric Hydraulic Pump	Electric Hydraulic Pump	None
<b>F</b>	<b>Maintenance log</b>	Composition Book	Composition Book	Composition Book
	<b>vendor repair log</b>	In Maintenance Log	In Maintenance Log	In Maintenance Log
<b>G</b>	<b>Application/operational use</b>	<b>Pressing Samples</b>	<b>Pressing Samples</b>	<b>Pressing Samples</b>
	<b>sample type</b>	<b>Sedimentary Core</b>	<b>Sedimentary Core</b>	<b>Sedimentary Core</b>
	<b>specification/accuracy</b>	<b>None</b>	<b>None</b>	<b>None</b>
<b>H</b>	<b>Spare parts</b>	Siman		
	<b>Consumables</b>	Siman		
	<b>Supporting system</b>	<b>Hydraulic Unit Assembly</b>	<b>Hydraulic Unit Assembly</b>	
	<b>Comments</b>	SN2702-22	SN2702-21	SN2702-23

<b>A</b>	<b>Instrument</b>	<b>Microlab Diluter</b>
	<b>ODP #</b>	05969
	<b>Model</b>	<b>35892</b>
	<b>Vendor</b>	<b>Hamilton</b>
	<b>Date of purchase</b>	12/4/2000
	<b>Date of installation</b>	1/14/2001
<b>B</b>	<b>Vendor manual</b>	Printed, "Microlab 900 Series Diluters/Dispensers Instruction Manual"
	<b>schematic</b>	None
<b>C</b>	<b>Cookbook (STD)</b>	None
	<b>Cookbook (special)</b>	Electronic, "Dionex DX-120 Guide"
<b>D</b>	<b>Software</b>	<b>None</b>
	<b>version</b>	<b>None</b>
	<b>installation date</b>	<b>None</b>
<b>E</b>	<b>Instrument hardware setup</b>	<b>None</b>
	<b>Instrument upgrade</b>	<b>None</b>
<b>F</b>	<b>Maintenance log</b>	<b>None</b>
	<b>vendor repair log</b>	<b>None</b>
<b>G</b>	<b>Appliaction/operational use</b>	<b>Dilution of samples</b>
	<b>sample type</b>	<b>Liquid</b>
	<b>specification/accuracy</b>	<b>± 0.01% @ 25C</b>
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>Nanopure Water (solvent)</b>
	<b>Comments</b>	SN MD92A2 1428



<b>A</b>	<b>Instrument</b>	<b>Titrimo 702/1</b>	Titrimo 702
	<b>ODP #</b>	<b>02463</b>	<b>02465</b>
	<b>Model</b>	<b>Titrimo 702/1</b>	Titrimo 702
	<b>Vendor</b>	<b>Metrohm</b>	<b>Metrohm</b>
	<b>Date of purchase</b>	11/6/1992	11/6/1992
	<b>Date of installation</b>	11/6/1992	11/6/1992
<b>B</b>	<b>Vendor manual</b>	Printed	Printed
	<b>schematic</b>	None	None
<b>C</b>	<b>Cookbook (STD)</b>	None	None
	<b>Cookbook (special)</b>	Electronic, "Chem Lab Procedures v 210 (titrations)"	Electronic, "Chem Lab Procedures v 210 (titrations)"
<b>D</b>	<b>Software</b>	<b>N/A</b>	<b>N/A</b>
	<b>version</b>	<b>N/A</b>	<b>N/A</b>
	<b>installation date</b>	<b>N/A</b>	<b>N/A</b>
<b>E</b>	<b>Instrument hardware setup</b>	Chem Lab Procedures v 210 (titrations)	Chem Lab Procedures v 210 (titrations)
	<b>Instrument upgrade</b>	None	None
<b>F</b>	<b>Maintenance log</b>	None	None
	<b>vendor repair log</b>	None	None
<b>G</b>	<b>Application/operational use</b>	<b>Titrimo</b>	<b>Titrimo</b>
	<b>sample type</b>	<b>Liquid</b>	<b>Liquid</b>
	<b>specification/accuracy</b>	<b>± 0.003mL @ 25C</b>	<b>± 0.003mL @ 25C</b>
<b>H</b>	<b>Spare parts</b>	Siman	
	<b>Consumables</b>	Siman	
	<b>Supporting system</b>	<b>Magnetic stirrer, glassware, electrode</b>	<b>Magnetic stirrer, glassware, electrode</b>
	<b>Comments</b>	SN# 1E1/147	SN# 1E1/204

<b>A</b>	<b>Instrument</b>	<b>Rock Eval</b>
	<b>ODP #</b>	00309
	<b>Model</b>	<b>Rock Eval II</b>
	<b>Vendor</b>	Girdel
	<b>Date of purchase</b>	10/3/1984
	<b>Date of installation</b>	11/1/1974
<b>B</b>	<b>Vendor manual</b>	yes
	<b>schematic</b>	yes
<b>C</b>	<b>Cookbook (STD)</b>	RE procedure v. 210
	<b>Cookbook (special)</b>	n/a
<b>D</b>	<b>Software</b>	<b>N/A</b>
	<b>version</b>	<b>N/A</b>
	<b>installation date</b>	<b>N/A</b>
<b>E</b>	<b>Instrument hardware setup</b>	<b>N/A</b>
	<b>Instrument upgrade</b>	None
<b>F</b>	<b>Maintenance log</b>	None
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	determine maturity of sediment/rock
	<b>sample type</b>	freeze-dried sediment/rock
	<b>specification/accuracy</b>	>0.5% TOC
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>purified air, He, H2, line printer</b>
	<b>Comments</b>	

<b>A</b>	<b>Instrument</b>	<b>Furnace</b>
	<b>ODP #</b>	04611
	<b>Model</b>	<b>750-58</b>
	<b>Vendor</b>	<b>Fisher Scientific</b>
	<b>Date of purchase</b>	10/18/1996
	<b>Date of installation</b>	10/18/1996
<b>B</b>	<b>Vendor manual</b>	Printed
	<b>schematic</b>	None
<b>C</b>	<b>Cookbook (STD)</b>	None
	<b>Cookbook (special)</b>	Printed, "Furnace Quick Guide"; Electronic, "ICP Hard Rock Analysis v210"
<b>D</b>	<b>Software</b>	<b>N/A</b>
	<b>version</b>	<b>N/A</b>
	<b>installation date</b>	<b>N/A</b>
<b>E</b>	<b>Instrument hardware setup</b>	<b>N/A</b>
	<b>Instrument upgrade</b>	None
<b>F</b>	<b>Maintenance log</b>	None
	<b>vendor repair log</b>	None
<b>G</b>	<b>Appliaction/operational use</b>	<b>Heating of samples, to 1400C</b>
	<b>sample type</b>	<b>&lt; 1'x1'x8"</b>
	<b>specification/accuracy</b>	<b>Temp ± 8 Degree Centigrade</b>
<b>H</b>	<b>Spare parts</b>	Siman
	<b>Consumables</b>	Siman
	<b>Supporting system</b>	<b>Requires fume hood or other hot air venting source</b>
	<b>Comments</b>	SN 60900021