

DATE: 5/06/2015

BID NO.: 50-00113239

INVITATION TO BID
THIS IS NOT AN ORDER

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

Page: 1
REJECTED
ALL BID REQUIREMENTS NOT MET

BUYER: SDuffy@jeffparish.net

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053 UNTIL 2:00 PM, 6/02/2015 AND PUBLICLY OPENED THEREAFTER.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS
THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Forms to register may be downloaded from www.purchasing.jeffparish.net and clicking on Vendor Information.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated.

If the bid exceeds \$30,000.00 and the company is duly authorized to do business in the state of Louisiana, a corporate resolution must be submitted with the bid or the person signing the bid documents must be listed on the Louisiana Secretary of State's website as an officer of the corporation, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). If the bid is in excess of \$30,000 and bidder is registered out of the state of Louisiana, a corporate resolution must be submitted with the bid, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. Bids submitted by Owner or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. Sole proprietors submitting bids for public works projects shall within 10 days after bid opening submit sole proprietorship certification.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. IN THE EVENT OF SPLIT AWARD, THE PURCHASING DEPARTMENT MAY CONTACT VENDORS TO REQUEST REQUIRED AFFIDAVITS. THOSE VENDORS WILL HAVE 10 DAYS FROM THE DATE OF NOTICE TO SUBMIT COMPLETE, SIGNED AND NOTARIZED AFFIDAVITS IN ORIGINAL FORMATS.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

E. RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

F. POSTING OF BIDS: A listing of bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA and will remain posted until close of respective bids.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This Electronic Procurement System allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Please note requirements contained in this bid package for electronic bid submission.

Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

6,10,13,15

1. All bidders must attend the pre-bid conference in relation to this bid; attendance is mandatory. Failure to attend will prohibit a company from submitting a bid. Vendors arriving after the mandatory pre-bid conference begins will not be allowed to sign in as evidence of attendance.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicted on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid Solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations or warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder with bid submission within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON-PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

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BID NO.: 50-00113239

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

30 Days ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Shimadzu Scientific Instruments, Inc.

ADDRESS: 9940 W. Sam Houston Pwy. South, Suite 300

CITY, STATE: Houston, Texas

ZIP: 77099

TELEPHONE: (713) 467-1151

FAX: (713) 467-1153

EMAIL ADDRESS: dajorissen@shimadzu.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

REJECTED
ALL BID REQUIREMENTS NOT MET

TOTAL PRICE OF ALL BID ITEMS: \$ 96,388.20

AUTHORIZED

SIGNATURE: 

David Jorissen

Printed Name

TITLE: Regional Manager

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00113239

SEALED BID

| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|----------------|----------|-----|--|----------------------|-------------|
| 1 | 1.00 | EA | LABOR, MATERIALS AND EQUIPMENT NECESSARY TO SUPPLY AND INSTALL GAS CHROMATOGRAPH AND RELATED ACCESSORIES FOR THE JEFFERSON PARISH DEPARTMENT OF PUBIC WORKS, WATER. | | |
| | | | 0010 AGILENT G3440B, 7890B GAS CHROMATOGRAPH CUSTOM, INCLUDES LAN INTERFACE, 7693 INTERFACE, 20-RAMP OVEN PROGRAMMING 6 HEATED ZONES, 2 ANALOG OUT, KEYBOARD AND DISPLAY PRESSURE SETPOINTS TO 0.001 PSI, INERT CAP SPLIT/SPLITLESS INLET WITH ELECTRONIC PNEUMATICS CONTROL (EPC) 100 PSI. MASS SPECTROPHOTOMETER DETECTOR INTERFACE. THREE CHANNELS OF EPC, FACTORY PLUMBLING, OVEN EXHAUST DEFLECTOR, PURGED UNION, BACKFLUSH READY INCLUDES INSTALLATION AND FAMILIARIZATION. WATER DEPT.-WATER LAB-KRISTEN RAGAN | \$64,626.60 | \$64,626.60 |
| 2 | 1.00 | EA | 0020 AGILENT G7042AA, 5977A INERT MASS SELECTIVE DETECTOR (MSD) WITH DATA SYSTEM. PERFORMANCE TURBO PUMP AND INERT ELECTRON IONIZATION (EI) SOURCE. INCLUDES SELECT MASS HUNTER FAMILIARIZATION, INSTALLATION, MSD FAMILIARIZATION, AND ONE YEAR OF PHONE ASSISTANCE. | Included | Included |
| | | | | | |
| 3 | 1.00 | EA | 0030 AGILENT G3397B, ION GUAGE KIT FOR 5977 MSD. INCLUDES INSTALLATION. | Included | Included |
| | | | | | |
| 4 | 1.00 | EA | 0040 AGILENT G1033A, NIST 2014 MS LIBRARY BUNDLE, INCLUDES 243,000 SPECTRA WITH NAMES, CHEMICAL STRUCTURES, AND RETENTION INDICES. INCLUDES MS/MS SPECTRA LIBRARY, NIST SEARCH, AND AMDIS PROGRAMS. INCLUDES INSTALLATION | Included | Included |
| | | | | | |
| 5 | 1.00 | EA | 0050 AGILENT G4513A, 7693A AUTOINJECTOR THAT INCLUDES TRANSFER TURRET, 16-SAMPLE TURRET, MOUNTING POST, PARKING POST FOR GC, 10 UL SYRINGE, AND SOLVENT BOTTLES. INCLUDES INSTALLATION AND FAMILIARIZATION. | \$20,155.20 | \$20,155.20 |
| | | | | | |
| 6 | 1.00 | EA | 0060 TEKMAR TMR-9800 STRATUM PTC SAMPLE CONCENTRATOR. INCLUDES 60 INCH SILTEK TREATED TRANSFER LINE, TUBING, AND | Included | Included |
| | | | | | |

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00113239

SEALED BID

| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|----------------|----------|-----|--|----------------------|-------------|
| 7 | 1.00 | EA | TREATED FITTINGS THROUGH SAMPLE PATHWAY, HEATED SAMPLE MOUNT, DRY FLOW MOISTURE SYSTEM, AND U-TRAP TECHNOLOGY. 0070 AGILENT G3184-60065, TEE, INERT FOR CAPILLARY FLOW TECHNOLOGY. | | |
| | | | | Included | Included |
| 8 | 1.00 | EA | 0080 AGILENT 160-2255-5 FUSED SILICA DEACTIVATED TUBING 0.250 MM X 5 M | | |
| | | | | Included | Included |
| 9 | 1.00 | EA | 0090 AGILENT G3188-27502 0.32MM ULTIMETAL TREATED FLEXIBLE METAL FERRULE | | |
| | | | | Included | Included |
| 10 | 1.00 | EA | 0100 AGILENT SYS-GM-5977T, ADVANTAGE SILVER SERVICE AGREEMENT, 3 YEARS TOTAL INCLUDING 1 PREVENTATIVE MAINTENANCE PER YEAR. | | |
| | | | | \$11,606.40 | \$11,606.40 |
| 11 | .00 | | LOCATION: JEFFERSON PARISH WATER LAB 3600 JEFFERSON HWY., BLDG. E JEFFERSON, LA 70121 ATTN: KRISTEN RAGAN 504-838-4305 | | |
| | | | | | |

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

SECRETARY-TREASURER

DATE

Non-Public Works Bid Affidavit Instructions

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF Texas

PARISH/COUNTY OF Harris

BEFORE ME, the undersigned authority, personally came and appeared: _____

David Jorissen, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized Regional Manager of Shimadzu Scientific Instruments, Inc. (Entity), the party who submitted a bid in response to Bid Number 50-00113239, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B x There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

[Signature]
Signature of Affiant

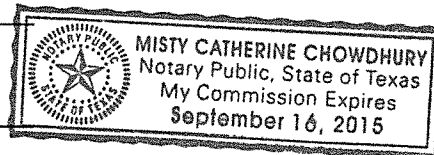
David Somssen
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 1st DAY OF June, 2015.

Misty Chowdhury
Notary Public

Misty Chowdhury
Printed Name of Notary

Notary/Bar Roll Number



My commission expires 9-16-15.

INSURANCE REQUIREMENTS - BIDS

All insurance requirements shall conform to Jefferson Parish Resolution No. 113646 or No. 113647. The contractor shall not commence work under this contract until he has obtained all insurance and complied with the requirements of the specifications and said Parish Resolutions. Except as otherwise provided by law, the Parish Attorney's Office with the concurrence of the Director of Risk Management is authorized to omit in whole or part the insurance requirements of this section in connection with contracts. Vendors inquiring about this shall submit his written request to the Purchasing Department prior to the due date of the bid. Contractor must deliver and maintain such insurances as provided; failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

Successful bidder will be required to procure standard insurance policies evidencing Parish mandated insurance requirements indicated below. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected.

1. WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

2. COMMERCIAL GENERAL LIABILITY

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

3. COMPREHENSIVE AUTOMOBILE LIABILITY

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

CONSTRUCTION AND RENOVATION PROJECTS:

Unless otherwise specified in the bid, these additional insurance is required. Such insurance is due upon contract execution.

OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

NOTE for CERTIFICATE HOLDER:

All insurance certificates shall list the certificate holder as follows:

"The Parish of Jefferson, its Districts, Departments and Agencies under the direction of the Parish President and the Parish Council." Additionally, the address on the Certificates should reflect the department which is letting the bid and reference the respective bid number.

Revised 2.10.2014

Tom Schedler
Secretary of State

**State of
Louisiana
Secretary of
State**



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

| Name | Type | City | Status |
|--------------------------------------|--------------------------------------|----------|--------|
| SHIMADZU SCIENTIFIC INSTRUMENTS INC. | Business Corporation (Non-Louisiana) | COLUMBIA | Active |

Business: SHIMADZU SCIENTIFIC INSTRUMENTS INC.

Charter Number: 40042039F

Registration Date: 11/9/2009

Domicile Address

7102 RIVERWOOD DRIVE
COLUMBIA, MD 21046

Mailing Address

7102 RIVERWOOD DRIVE
COLUMBIA, MD 21046

Principal Business Office

7102 RIVERWOOD DRIVE
COLUMBIA, MD 21046

Registered Office in Louisiana

6655 ELYSIAN FIELDS
NEW ORLEANS, LA 70122

Principal Business Establishment in Louisiana

6655 ELYSIAN FIELDS
NEW ORLEANS, LA 70122

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 11/9/2009

Last Report Filed: 10/20/2014

Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

| | |
|--------------------------|-----------------------|
| Agent: | MICHAEL MAY |
| Address 1: | 6655 ELYSIAN FIELDS |
| City, State, Zip: | NEW ORLEANS, LA 70122 |
| | 11/9/2009 |

**Appointment
Date:**

Officer(s)

Additional Officers: No

| | |
|--------------------------|--|
| Officer: | CHRISTOPHER GAYLOR |
| Title: | Executive Vice-President, Vice-President, Director |
| Address 1: | 12822 FORESTVIEW CT |
| City, State, Zip: | SYKESVILLE, MD 21784 |

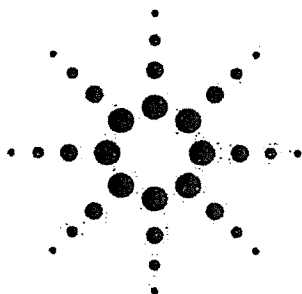
| | |
|--------------------------|--------------------|
| Officer: | SHUZO MARUYAMA |
| Title: | President |
| Address 1: | 7102 RIVERWOOD DR |
| City, State, Zip: | COLUMBIA, MD 21046 |

| | |
|--------------------------|--------------------|
| Officer: | SATOSHI HONDA |
| Title: | Treasurer |
| Address 1: | 7102 RIVERWOOD DR |
| City, State, Zip: | COLUMBIA, MD 21046 |

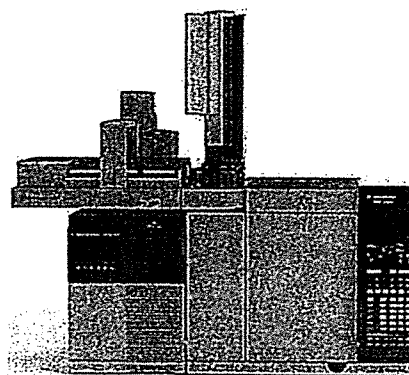
Amendments on File

No Amendments on file

Print



Agilent 5977A Series GC/MSD System Data Sheet



GC/MSD

The Agilent 7890B/5977A Series Gas Chromatograph/Mass Selective Detector builds on a 45-year tradition of leadership in GC and MS technology. This advanced GC/MSD platform delivers a higher level of performance and productivity with:

- The industry's highest S/N and lowest IDL
- The power and flexibility of both Classic MSD ChemStation and new MassHunter Quantitative and Qualitative Analysis
- Eco-friendly features that save energy and time
- Integrated Intelligence to support methods development and system optimization
- Enhanced communication between the GC and MSD for more efficient and safer operation

Mass Selective Detector

| | |
|------------------------|--|
| El source | Standard Inert or high sensitivity Extractor |
| CI source | PCI, NCI, and EI acquisition |
| Ion source temperature | 150–350 °C |
| Quadrupole temperature | 100–200 °C |
| Mass filter | Monolithic hyperbolic quadrupole |
| Mass range | 1.6–1,050 u |
| Mass axis stability | Better than 0.10 u/48 h |
| Detector | Triple-Axis Detector with long life EM |

Gas Chromatograph

| | |
|------------------------|---|
| Gas chromatograph | Agilent 7890B |
| Autosampler | Agilent 7693, 7650, CombiPAL, 7697 headspace and other third party autosamplers |
| Oven temperature | Ambient +4–450 °C Ambient +5–350 °C |
| Oven ramps/plateaus | 7890B Supports 20 oven ramps with 21 plateaus. Negative ramps are allowed. |
| Retention-time locking | RTL-ready |



Agilent Technologies

Data System

Software GC/MSD MassHunter Acquisition with both MassHunter and Classic ChemStation Data Analysis

Simultaneous signal acquisition Simultaneous support of two MSDs and four GC detectors

SIM/Scan Automated SIM setup and synchronous SIM/scan operation

Application autotunes One-click autotune for BFB, DFTPP

Optional Libraries and Software Tools

Spectral libraries NIST, Wiley/NIST, Maurer-Pfleger, Weber Drug

Spectral ORS and RTL Pesticides and endocrine disrupter databases, volatiles, PCBs, toxicology, hazardous chemicals, indoor air toxics, Japan Positive List, forensic toxicology, environment semivolatiles, and several user contributed libraries

21CFR11 Compliance MassHunter Data Acquisition and Quantitative Data Analysis

Multivariate analysis Mass Profiler Professional

Physical Requirements with the Agilent 7890B

Dimensions (GC/MS) 88 cm (w), 56 cm (d), 50 cm (h)
Additional space should be added for the auto injector, sample tray, data system, and printer.

Weight (GC/MS) 81 to 96 kg (depending on configuration)

Installation Checkout Specifications

EI SIM IDL (Helium Carrier gas with Auto Liquid Sampler) 10 fg or less IDL for Extractor ion source, turbo molecular pump system
24 fg or less for Inert EI source, turbo molecular pump system
39 fg or less for Inert EI source, diffusion pump system
IDL statistically derived at 99% confidence level from the area precision of eight sequential splitless injections of 100 fg OFN, monitoring m/z 272.

EI scan S/N (Helium carrier gas manual injection) 1500:1 or higher S/N for Extractor ion source, turbo molecular pump system
600:1 or higher for Inert EI ion Source, turbo molecular pump system
300:1 or higher for Inert EI ion Source, diffusion pump system
These numbers will be given by 1- μ L injection of 1 pg/ μ L OFN standard scanning from 50 to 300 u at nominal 272.0 u ion.

PCI scan S/N (Methane) 125:1 S/N will be given by 1- μ L injection of 100 pg/ μ L BZP¹ standard scanning from 80 to 230 u at nominal 183 u ion.

NCI scan S/N (Methane) 600:1 S/N will be given by 2- μ L injection of 100 fg/ μ L OFN standard scanning from 50 to 300 u at nominal 272 u ion.

¹Octafluoronaphthalene (OFN)

²Benzophenone (BZP)

For More Information

For more information on our products and services, visit our Web site at www.agilent.com/chem.

www.agilent.com/chem/5977A

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January 31, 2013

5991-1838EN



Agilent Technologies



Capillary Flow Technology: Splitters

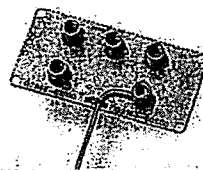
GET MORE INFORMATION IN LESS TIME

The Measure of Confidence



Agilent Technologies

A time-saving alternative to running samples on multiple GCs



Analyzing complex samples may require different types of specific GC detectors in order to meet detection limits, overcome matrix interferences, or confirm unknown peaks. Forensic analysis often requires mass spectrometry to produce defensible data for possible use in a criminal trial. Therefore, it is not unusual in such situations to run a sample multiple times on different GC systems, each with a dedicated detector. Agilent offers a time-saving alternative: use our Capillary Flow Technology Splitter to split effluent from a single column to two or three detectors on the same GC.

While the use of splitters is not new, the technique has been limited in its use due to technical challenges with the splitting hardware. For instance, optimal performance requires that a splitter be inert, have low thermal mass and dead volume, be leak free, allow no outgassing from sealing materials, and be capable of withstanding the temperatures used in the GC analysis.

HERE'S HOW AGILENT'S TECHNOLOGY OVERCOMES PREVIOUS SPLITTER CHALLENGES:

| Challenges | The Agilent Solution |
|--|--|
| <p>With traditional splitters:</p> <ul style="list-style-type: none">▪ Glass "Y" connectors can be difficult to assemble correctly, and the column or fused silica tubing can sometimes detach upon thermal cycling of the oven.▪ Some splitters use polyimide ferrules, which can outgas at high temperatures and develop leaks upon thermal cycling due to shrinkage of the polymer.▪ Graphite ferrule splitters eliminate thermal cycling problems but may have trouble with inertness; they can outgas contaminants at high temperatures and can shed active particles into the sample path.▪ There is the risk of atmospheric detector gas "leaking" into the mass spectrometer if make-up gas is not used for pressure compensation.▪ The split ratio on various detectors depends on the length and internal diameter (i.d.) of the restrictor tubing. Selecting the correct dimensions requires calculations that can impact the chromatography, especially if using a mass spectrometer (vacuum). | <p>With Agilent's Capillary Flow Technology Splitter modules:</p> <ul style="list-style-type: none">▪ The column and restrictors leading to the detectors attach to the module using metal ferrules that do not outgas, do not shed particles, will not detach, and eliminate leaks (even after oven cycles with temperatures as high as 350 °C).▪ All surfaces are deactivated for a completely inert sample path.▪ AuxEPC can be used to ensure there is no backflow of gas from a GC detector to an MSD, protecting the source from possible damage.▪ A simple calculator, based on Microsoft® Excel, is used to determine the restrictor dimensions needed to attain a specific split ratio. See tips and tools for more information. |

How it works...

AGILENT OFFERS SEVERAL DIFFERENT SPLITTERS THAT USE OUR PROPRIETARY CAPILLARY FLOW TECHNOLOGY

1. **Two-way splitter without makeup gas.** This splitter divides the column effluent to two different detectors. It is useful for labs that set up a single configuration and use it without changing columns or parameters frequently. It is best used with column flows greater than 2 mL/min and with atmospheric pressure detectors. While it can be used for splitting to an MSD if care is taken in the setup, a two-way or three-way splitter with makeup gas is strongly recommended for MSD applications.

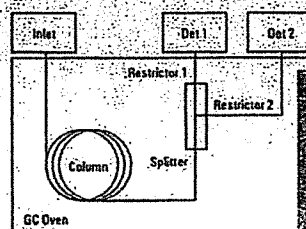


Figure 1. Plumbing diagram for the two-way splitter without makeup gas

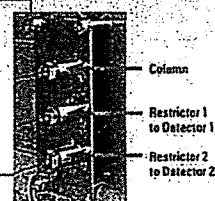


Figure 2. Two-way splitter without makeup gas connections

2. **Two-way splitter with makeup gas.** This splitter uses a source of makeup gas supplied by electronic pneumatics control (EPC). Use of an Aux EPC module maintains the splitter at a known and constant pressure, which allows easier splitting to vacuum detectors such as the MSD. It simplifies the choice of splitter parameters, allowing all aspects of the chromatographic setup to be calculated. Constant pressure makeup allows the column to be run in constant flow mode. At the same time, a constant split ratio is maintained between two detectors of different operating pressures, such as the FPD and the MSD. Because the EPC pressure can be time programmed, useful operations like backflushing unwanted heavy materials from the column and changing columns in MSD systems without venting, are possible.

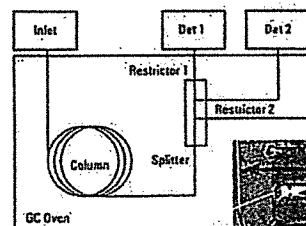


Figure 3. Plumbing diagram for the two-way splitter with makeup gas

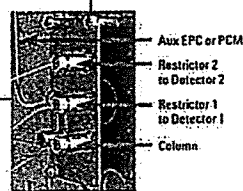


Figure 4. Two-way splitter with makeup gas connections

3. **Three-way splitter with makeup gas.** This splitter operates the same as the two-way splitter with makeup gas, but divides the effluent from a column among three different detectors.

Note: A purged capillary flow device, such as a splitter, introduces an additional flow in the sample stream. For detectors that operate at low flow rates, like the MSD and TCD, some decrease in sensitivity will occur.

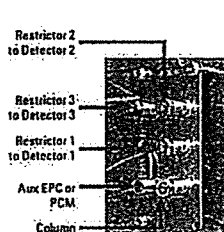


Figure 5. Three-way splitter with makeup gas connections

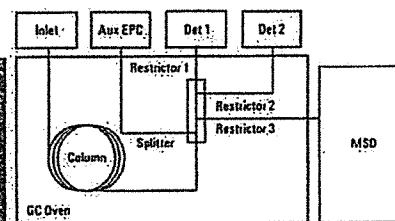


Figure 6. Plumbing diagram for the three-way splitter with makeup gas

To learn how you can increase productivity in your lab, visit www.agilent.com/chem/CapillaryFlowTechnology

Simultaneously collect data from multiple detectors

Laboratories that perform toxicology screens on forensic samples must rise to the challenge of having to analyze large numbers of samples containing complex matrix interferences. The Agilent system addresses these demands by combining fast GC to reduce the run time; the use of a Capillary Flow Technology splitter to simultaneously collect scan, SIM, and

NPD data and backflush to prevent heavy matrix components from fouling the detectors; and Deconvolution Reporting Software (DRS) to simplify data interpretation. Total time savings was greater than 85%, not including the time saved by using DRS.

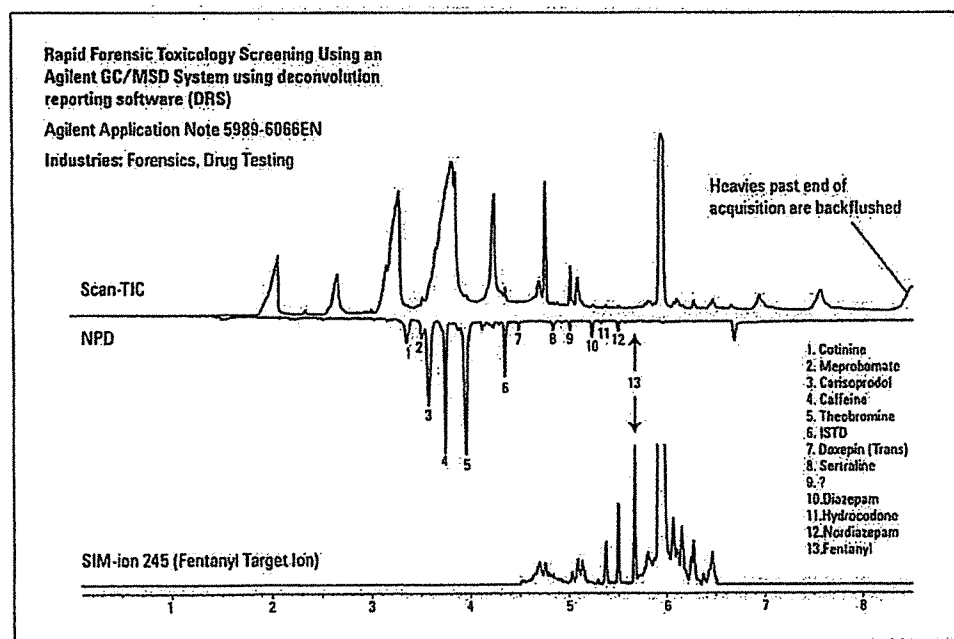
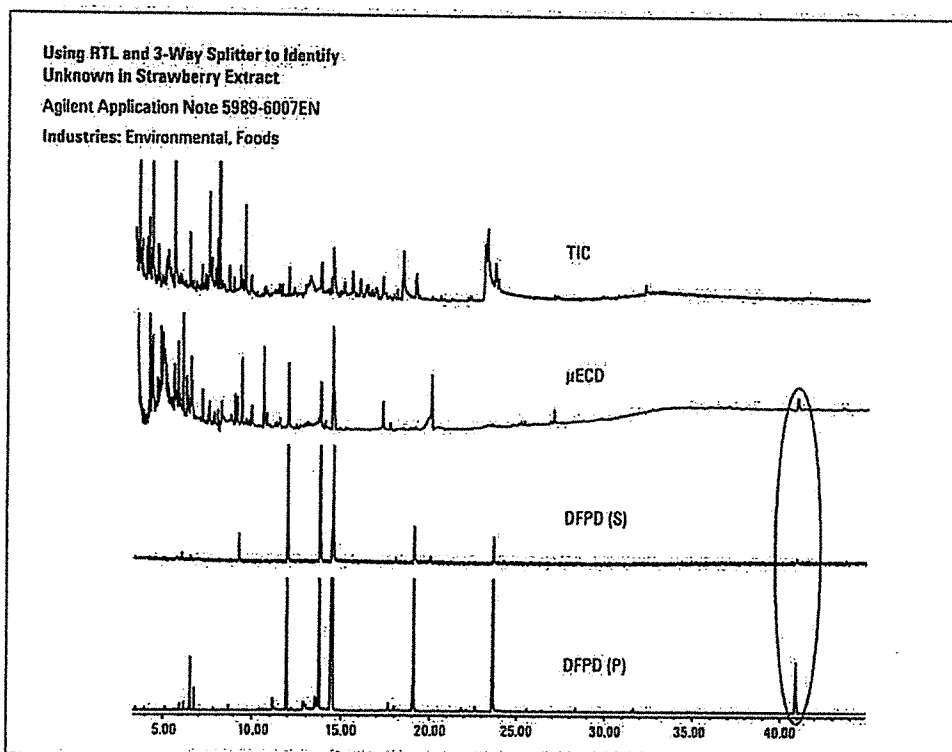


Figure 7. Chromatogram from screen of whole blood sample

Detect unknown trace pesticide residue without full-scan MS

Fruit and vegetable extracts are typically very complex to analyze. It is common to use selective GC detectors, such as NPD, ECD, and FPD, to look for trace pesticide residues in the extracts. Mass spectrometry is most often used to confirm the hits from GC detectors. Figure 8 shows how the column effluent can be split three ways to two GC detectors and an MSD. The splitter system is therefore capable of providing up to four

signals (two GC signals, SIM, and full-scan chromatograms) from a single injection. By combining RTL, element-selective detector chromatograms, and the RTL pesticide database, a trace level pesticide residue was identified without the full-scan mass spectrum.



To learn how you can increase productivity in your lab, visit www.agilent.com/chem/CapillaryFlowTechnology

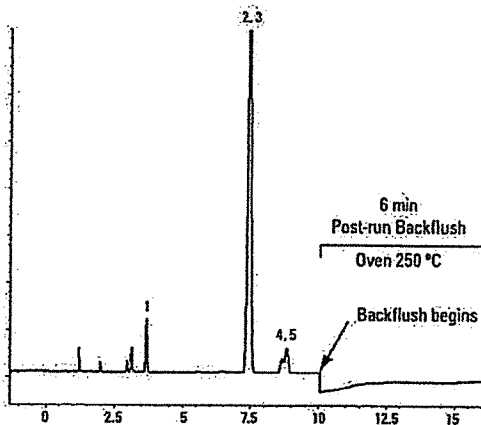
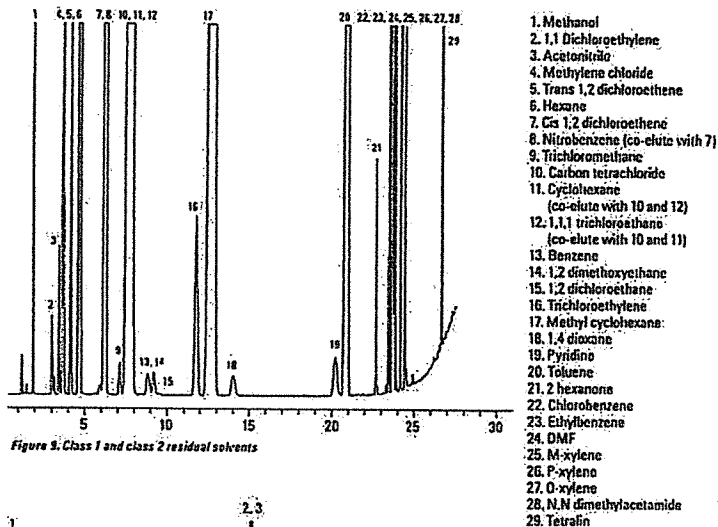
Backflush reduces sample turnaround time

This example illustrates the use of a two-way splitter with makeup gas to backflush late-eluting impurities and high-boiling solvents/diluents in the analysis of residual solvents by headspace extraction and GC. Along with a faster oven cool-down possible with the 7890 GC, backflushing decreases the sample turnaround time.

Improved Retention Time, Area Repeatability, and Sensitivity for Analysis of Residual Solvents

Agilent Application Note
5989-6079EN

Industries: Pharmaceutical



1. 1,1 dichloroethene
2. Carbon tetrachloride
3. 1,1,1 trichloroethane
4. Benzene
5. 1,2 dichloroethane

Other uses for a three-way splitter

Think of Capillary Flow Technology modules as "flow building blocks" that can be configured in different ways to accomplish different tasks. For instance:

Two-Way Splitter

By plugging one of the ports, a three-way splitter can be used as a two-way splitter. A typical three-way splitter plumbing configuration is shown in Figure 11.

Figure 12 depicts how the three-way splitter is converted to a two-way splitter. Port 1 is plugged (the plug can be made from a nut and ferrule plus a short length of stainless steel wire included in the splitter kit) and the column is connected to port 2. The two detector restrictors are connected to ports 3 and 4. The two detector restrictors are connected to ports 3 and 4.

Two Different Columns In, Two Detectors Out

Using the setup shown in Figure 13, a method can be used to inject into inlet 1 and column 1 while column 2 is unused. Inlet 2 pressure is set at a low level that produces a small purge flow (at least 0.5 mL/min) through column 2. A second method can reverse the situation, purging column 1 while analyzing with inlet 2 and column 2.

This can be useful for laboratories that frequently need to use columns with different phases. Setup is the same as that for a two-way splitter, except that column flow in the calculations now equals the sum of the flows from columns 1 and 2.

Because the bleed from both columns enters the detectors simultaneously, low-bleed stationary phases should be used in this configuration.

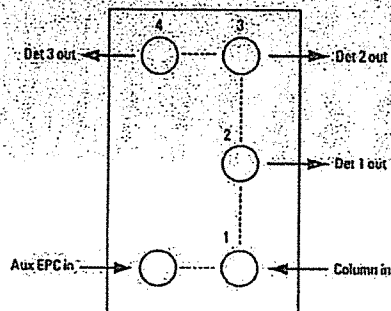


Figure 11. Typical three-way splitter plumbing configuration

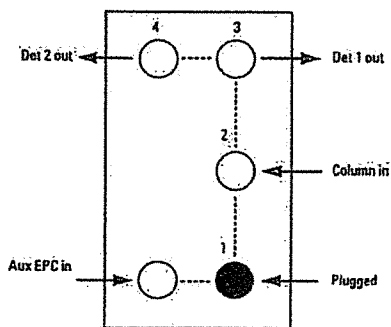


Figure 12. Three-way splitter configured as a two-way splitter

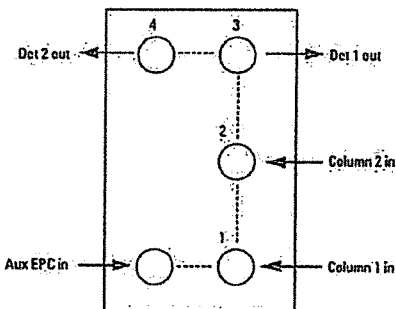
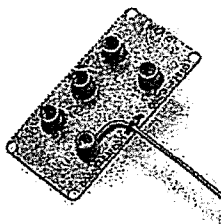


Figure 13. Column 2 is unused

To learn how you can increase productivity in your lab, visit www.agilent.com/chem/CapillaryFlowTechnology

**What you need
to get faster analysis results**



7890 GC or 6890N GC with two or three detectors

Splitter option or accessory

- On-site installation and verification are strongly recommended.

Aux EPC module

- Aux EPC Purge Regulator Kit is recommended.
- PCM can be used in place of Aux EPC but is not recommended for this application.

High-temperature SilTite ferrules and fittings

Deactivated silica tubing for detector restrictors

Splitter calculator software (included with the splitter option and accessory)

- Calculates the restrictor dimensions (internal diameter and length) required to obtain a desired split ratio from the column to the multiple detectors.
- A set of eight typical configurations have been pre-calculated and are available in the operator manual for each of the splitters. They apply to a wide variety of detector combinations and split ratios.

Microsoft® Excel 97 or later

For more information

Read: Agilent G3181B Two-Way Splitter Kit Without Makeup Gas Installation and Operation Guide Agilent Manual, G3181-90120;
Agilent G3180B Two-Way Splitter Kit With Makeup Gas Installation and Operation Guide Agilent Manual, G3180-90120;
Agilent G3183B Three-Way Splitter Kit Installation and Operation Guide; Agilent Manual, G3183-90120

Learn more: www.agilent.com/chem/CapillaryFlowTechnology

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www.agilent.com/chem/contactus

U.S. and Canada: 1-800-227-9770 or agilent_inquiries@agilent.com

Europe: info_agilent@agilent.com

Asia Pacific: adinquiry_aplsc@agilent.com

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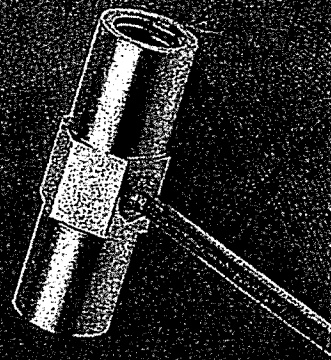
Agilent Technologies



Capillary Flow Technology: Purged Ultimate Union

**REDUCE DOWNTIME AND INCREASE
YOUR LAB'S PRODUCTIVITY**

The Measure of Confidence



Agilent Technologies

Perform reliable routine maintenance in a matter of minutes, not hours



Routine operation of any GC/MS system typically requires occasional maintenance of the inlet and column. The mass spectrometer must be shut down to cool and vent the system. Once maintenance is complete, the system must be restarted, pumped down, and baked out before samples can be run again, resulting in significant downtime.

Laboratories could benefit from a reliable way to conduct routine maintenance on a GC/MS system without cooling and venting – especially for high-throughput operations. However, previous attempts at designing a suitable quick-maintenance flow system have had a number of drawbacks:

- » Large metal fittings with high thermal mass do not track oven temperatures well
- » Many oven temperature cycles can cause leaks over time, risking damage to the MS source
- » Internal surfaces are not inert, leading to peak broadening or loss of analytes

The Purged Ultimate Union provides an effective solution without the drawbacks

Agilent's Capillary Flow Technology Purged Ultimate Union, sometimes referred to as the pressure-controlled tee (PCT), is designed to provide simple backflush to an existing GC or GC/MS method. It addresses all drawbacks while facilitating:

- Fast column removal or replacement without the need to cool and vent the MSD
- Risk-free inlet and column maintenance by preventing air from entering the MSD
- Shorter analysis times and increased sample throughput by removal of high molecular weight compounds using backflushing mode

How it works...

THE VERSATILITY TO PERFORM CONCURRENT AND POST-RUN BACKFLUSH

Configurations for backflush:

The basic configuration for the Purged Ultimate Union is one inlet (S/SL, MMI or PTV) to one detector. However, it can be used in several backflush configurations.

Post-Column: backflush wizard adjusts conditions to offset change in outlet pressure caused by the source controlling the flow for the short post column.

Coated and Uncoated* Pre-Column: requires two columns with options of two equal lengths connected by purged union at midpoint or the purged union joining a shorter (5 m) first section with a longer (15 m) second section.

Modes for backflush:

Post-run: easiest to configure; backflush occurs after last peak of interest can be implemented.

Concurrent: backflush occurs during data collection, eliminating the need for a post run program, saving time and improving lab productivity.

*Recommended for use only as short retention gaps and not in equal length to the second column.

Simplify maintenance without affecting detection limits

Applying backflushing helps maintain the GC and the MS source by removing later eluting compounds from the column before reaching the MS, and prior to the next sample injection. This example shows the results of the Purged Ultimate Union (PCT) configuration for rapid and universal GC/MS backflushing, applied to selected reaction monitoring. Using a simple PCT configuration, quick column and inlet maintenance can be performed without venting the MS system or hindering detection limits.

Replicate injections showed no statistically significant difference between the peak areas or heights for the 272 & 241 m/z transition (Table 1). Moreover, retention time reproducibility was unaffected by adding PCT, and a standard deviation of less than 0.1 seconds was achieved both with and without the PCT. (Absolute retention times can shift slightly due to a minor difference in the absolute flows and lengths). Signal-to-noise was also indistinguishable between the two configurations, although noise is uniformly low in selected reaction mode. The degree of correspondence is best illustrated in Figure 1.

| GC configuration | RT variation (s) | Normalized MS/MS Signal area | RSD (%) | Normalized MRM Signal height | RSD (%) | Normalized MS/MS/I |
|-------------------------------|------------------|------------------------------|---------|------------------------------|---------|--------------------|
| Continuous column without PCT | 0.063 | 1 | 14 | 1 | 15 | 1 |
| With PCT | 0.098 | 1.1 | 15 | 1.0 | 16 | 1.2 |

Table 1: Comparison between PCT and Continuous Column configurations for MRM 272 → 241 (DFN). To simplify the comparison, the results for the peak area, height and signal-to-noise (S/N) ratio have been normalized against the standard configuration.

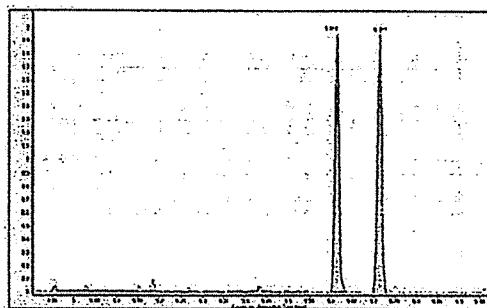


Figure 1: DFN 272 & 241 m/z transition without the PCT (5.619 min) and using the PCT (5.715 min). The same absolute abundance scale is applied to both.

Maintain retention times with backflush and the Purged Ultimate Union

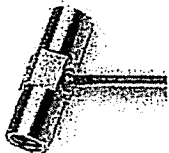
The Pressure Controlled Tee configuration provides a simple approach to rapid backflushing and GC-serving on all MS systems. If retention times can be permanent on any system, complex MS acquisition methods – such as selected ion monitoring and multiple reaction monitoring (MRM) modes – need not be changed when columns are trimmed or replaced. Similarly, compound retention times are unchanged in data analysis, which simplifies identification, quantitation and the use of databases of compound retention times. Applying simple “Mechanical Retention Time Locking” quickly returns the GC/MS to acquisition without method changes or additional complexity (Table 2).

For an example of how to generate compound retention times that are permanent and universal through Retention Time Locking, see Agilent Application Note 5990-4643EN.

| Compound | RT Error (s) |
|-------------------------|--------------|
| Dichlorvos | -0.68 |
| Mevinphos | -0.66 |
| Ethionphos | -0.9 |
| Sulfatep | -0.36 |
| Phorate | -0.96 |
| Fenofos | -0.54 |
| Diazinon | -0.48 |
| Disulfoton | -0.48 |
| Chlorpyrifos Methyl | 0.06 |
| Methyl parathion | -0.78 |
| Fenchlorphos | -0.52 |
| Fenitrothion | -0.42 |
| Malathion | -0.12 |
| Chlorpyrifos | -0.12 |
| Fenitron | -0.36 |
| Tetrachlorvinphos | 0.12 |
| Fenathionphos | 0 |
| Prothiofos | 0.06 |
| S,S,S-Tributylphosphoro | 0.12 |
| Ethion | 0.48 |
| Sulprofos | 0.18 |
| Carbophenothion | 0.18 |
| EPII | 0.42 |
| Azinphos methyl | 0.36 |
| Azinphos ethyl | 0.72 |
| Cosmaphos | 2.3 |

Table 2: Illustration of selected retention time error results using the purged and non-purged union.

What is required?



7890 GC or 6890N GC with 5977A Series GC/MSD

Purged Ultimate Union accessory

- On-site installation and verification are strongly recommended

Aux EPC module

- Aux EPC Purge Regulator Kit is recommended

High-temperature Siltite ferrules and fittings

- Included with Purged Ultimate Union option and accessory

Restrictor

- 2 each of 100- and 110- μ m id restrictors included with Purged Ultimate Union option and accessory

Flow Calculator or Method Translation Software

- Included with Purged Ultimate Union option and accessory

For more information

Learn more about Agilent's Capillary Flow Technology at
agilent.com/chem/CapillaryFlowTechnology

Buy online or find an Agilent customer center in your country:
agilent.com/chem/contactus

U.S. and Canada: 1-800-227-9770 or agilent_inquiries@agilent.com

Europe: info_agilent@agilent.com

Asia Pacific: adinquiry_apl@sca.agilent.com





Bid Number 50 – 00113239

**LABOR, MATERIALS AND EQUIPMENT NECESSARY TO SUPPLY AND
INSTALL A GAS CHROMATOGRAPH AND RELATED ACCESSORIES FOR
THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS –WATER**

Bid Opening Date: June 2, 2015 at 2:00 p.m., local time

ATTENTION VENDORS!!!

**Please review all pages and respond accordingly, complying with all provisions
in the technical specifications and Jefferson Parish Instructions for Bidders and
General Terms and Conditions. All bids must be received in the Purchasing
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer's Name: Ms. Sidney Duffy, Buyer II
Buyer's Email: sduffy@jeffparish.net
Buyer's Phone: (504) 364-2682**

Customer:

Ms. Sidney Duffy
JEFFERSON PARISH
WALTER QUALITY LAB
BUILDING E, 3600 JEFFERSON HWY
LA 70121
Phone: (504) 838-4311
Fax:
E-mail: kragan@jeffparish.net

Sales Engineer:

Michael May
Shimadzu Scientific Instruments
9940 W. Sam Houston Pkwy, South
Suite 300
Houston, TX 77099
Regional Office: (800) 739-1942 Ext. 5120
Direct Dial: (800) 739-1942
E-mail: MIMay@SHIMADZU.com

Sales Proposal

Quotation: SSI-85647-Z0C4

Expiration: 7/17/2015

Quote Description:

This system will have 3 years total service coverage plus 1 preventative maintenance visit per year

Proposed Ship Date: 30 Days/ARO

FOB: DESTINATION **Ship Method:** BEST WAY

Shipping Terms: PREPAID & ADD

Incoterms:

Additional Information:

For proposal questions or modifications, please contact your sales representative.

For Order Placement:

Reference Quotation Number on Purchase Order
If you are tax exempt, please send a copy of your
exemption certificate with your purchase order.
Certificate may also be faxed to 410-381-1222.

Thank you for your interest in Shimadzu Scientific
Instruments.

Shimadzu Scientific Instruments
7102 Riverwood Drive, Columbia, MD 21046
Toll Free: 800-477-1227
Local: 410-381-1227 Fax: 410-381-6781
E-mail: customer.service@shimadzu.com

Authorization Signature



David Jorissen

Date: 6/1/2015

International:
Fax: 410-309-6130
E-mail: icsc@shimadzu.com

Sales Quotation - please reference the quotation when submitting purchase order.

GCMS Packages Updated 11102014

| | Product # | Qty | Description | List Price | Ext'd Price |
|---|--------------|-----|---|-------------|-------------|
| 1 | 220-94920-11 | 1 | GCMS-QP2010 ULTRA EI, RESEARCH PACKAGE | \$77,999.00 | \$63,999.00 |
| 2 | 221-45622-91 | 1 | RACK, SAMPLE 12 POSITION,AOC-20I | \$222.00 | \$177.60 |
| 3 | 220-94872-10 | 1 | EST EVOLUTION P&T, NO AUTOSAMPLER | \$24,514.00 | \$19,611.20 |
| 4 | 220-94769-00 | 1 | LOW VOLUME LINER FOR GC-2010,QP-2010 SPME OR P&T 5/PK | \$68.00 | \$54.40 |
| 5 | 220-94871-65 | 1 | TRAP K (VOCARB 3000) FOR EST EVOLUTION | \$427.00 | \$341.60 |
| 6 | 220-94871-55 | 1 | SPARGE TUBE 5 ML FRITTED W/ SIDEARM | \$185.00 | \$148.00 |
| 7 | I&F | 1 | INSTALLATION AND CUSTOMER FAMILIARIZATION | \$0.00 | \$0.00 |
| 8 | 1YW | 1 | 1 YEAR WARRANTY | \$0.00 | \$0.00 |

Service

| | Product # | Qty | Products Included | List Price | Ext'd Price |
|---|-------------------|-----|---|------------|-------------|
| 9 | EXT-WARRANTY-PLUS | 2 | Extended Warranty Plus Premium PM service Agreement | \$7,254.00 | \$11,606.40 |

| | |
|----------------------------------|---------------------|
| Total List Price: | \$117,923.00 |
| Total Line Item Discount: | \$21,984.80 |
| Quote Sub-Total: | \$95,938.20 |
| Estimated Freight: | \$450.00 |
| Total Amount: | \$96,388.20 |

Sales Quotation - please reference the quotation when submitting purchase order.

Optional Items

Optional Items:

GCMS Packages Updated 11102014

| Product # | Qty | Description | List Price | Ext'd Price |
|--------------|-----|--------------------------------------|------------|-------------|
| 225-10681-91 | 1 | AOC-20S ATTACHMENT KIT FOR GCMS | \$168.00 | \$142.80 |
| 221-72300-58 | 1 | AOC-20S, GC-17/GC-2010/GC-2014, ROHS | \$2,852.00 | \$2,424.20 |

Service Agreement Plans Available

As Quoted

| Yrs of Coverage | Plan Name | Plan Cost | Products Covered |
|--|-----------|-----------|------------------|
| Descriptions of Service Coverage | | | |
| Preventative Maintenance Preventative Maintenance (PM) visits will be scheduled by SSI at the mutual convenience of the buyer and SSI, or performed during any other service visit. PM visits, when provided under this Agreement, may include necessary cleaning, adjustments, verification, lubrication and parts replacement according to the PM checklist. Labor, travel expenses, and selected consumable parts will be included during the PM visit at no additional cost to the buyer. | | | |
| Premium Preventative Maintenance Premium Preventative Maintenance visits will be scheduled by SSI at the mutual convenience of the customer and SSI, or performed during any other service visit. This Premium PM will be performed by SSI according to established SSI procedures. Premium PM visits, when performed under this Agreement, will include necessary cleaning, adjustments, verification, lubrication and parts replacement. Labor, travel expenses and selected consumables parts* (list of parts available upon customer request) will be included during the Premium PM visit at no additional cost to the customer. A travel zone fee is added to the agreement to cover travel costs. Purchase of the Premium PM option does not excuse Customer from performing normal daily, weekly or monthly maintenance that may be required. | | | |
| Extended Warranty Extended Warranty coverage includes all labor and parts (excluding consumables) necessary to restore the products to operating specifications. This coverage level is not available for MS products and the associated turbo and roughing pumps. The MS products require a coverage level which includes a Premium PM. | | | |
| Extended Warranty Plus A combination of one scheduled Premium PM visit and Extended Warranty Coverage. Premium Preventative Maintenance visits will be scheduled by SSI at the mutual convenience of the customer and SSI, or performed during any other service visit. Premium PM visits, when performed under this Agreement, will include necessary cleaning, adjustments, verification, lubrication and parts replacement. Labor, travel expenses and selected consumables parts* (list of parts available upon customer request) will be included during the Premium PM visit at no additional cost to the customer. The extended Warranty Includes all labor and parts (excluding consumables outside of PM) necessary to restore the products to operating specifications. A travel zone charge is added to the contract to cover travel costs. In the event of a covered product failure, SSI will use its best effort to provide on-demand service. | | | |
| Premium Total Coverage This level of agreement provides the customer with a level of coverage includes all labor and non-consumable parts, a Premium PM visit, and in addition provides for the replacement of consumable parts outside of a PM visit at no additional cost to the buyer. Use of this level of Service will be monitored by SSI and in the event that the buyer's use does not exceed two visits during the effective dates of the agreement, the buyer will be entitled to an agreed upon rebate at the end of the agreement term. This rebate must be applied to the purchase of future service agreements or other services offered by SSI. | | | |

Sales Quotation - please reference the quotation when submitting purchase order.

Line Item Descriptions

Product # Description

GCMS Packages Updated 11102014

220-94920-11 GCMS-QP2010 ULTRA EI, RESEARCH PACKAGE

The GCMS-QP2010 Ultra EI Research Package includes the GCMS-QP2010 Ultra with an EI ion source, an upgraded Edwards RV3 rotary pump, a Dell Workstation computer and 22-inch flat-panel monitor, GCMSsolutions software (most recent version), a tool kit, and all necessary installation hardware. Also included are the AOC-20i Auto Injector for liquid samples with power supply and mounting hardware, and the most recent version of the NIST Mass Spectral Library. The package includes installation and checkout, and a 1-year warranty.

221-45622-91 RACK, SAMPLE 12 POSITION,AOC-20I

12-position long rack for use with AOC-20i

220-94872-10 EST EVOLUTION P&T, NO AUTOSAMPLER

EST Encon Evolution - The most advanced purge and trap ever offered! Evolution Includes: A Graphical User Interface, Desorption Pressure Control (DPC), Easy Access to Analytical & Moisture Reduction Trap (MoRT)

220-94769-00 LOW VOLUME LINER FOR GC-2010,QP-2010 SPME OR P&T 5/PK

220-94871-65 TRAP K (VOCARB 3000) FOR EST EVOLUTION

220-94871-55 SPARGE TUBE 5 ML FRITTED W/ SIDEARM

I&F

I&F Installation (setup/checkout) and operational familiarization of hardware and software.

1YW 1 YEAR WARRANTY

1 YEAR WARRANTY

Service

EXT-WARRANTY-PLUS Extended Warranty Plus Premium PM service Agreement

GCMS-QP2010 ULTRA EI, RESEARCH PACKAGE

Optional Item Descriptions

Product # Description

GCMS Packages Updated 11102014

225-10681-91 AOC-20S ATTACHMENT KIT FOR GCMS

221-72300-58 AOC-20S, GC-17/GC-2010/GC-2014, ROHS

Robotic sample tray for the AOC-20i. Holds and delivers up to 150 1.5mL vials or 96 4ml vials to the AOC-20i. It is operated through the AOC-20i keyboard, Class-VP, GCsolutions or GCMSsolution software packages.

Terms and Conditions

Shimadzu Scientific Instruments, Inc. - GENERAL TERMS AND CONDITIONS OF SALE

SALES AGREEMENT

The sales agreement ("Sales Agreement"), as referenced herein below, shall mean and refer to these General Terms and Conditions of Sale ("General Terms and Conditions of Sale"), together with such other documents concerning the purchase of equipment and/or Products designed and/or manufactured by Shimadzu Scientific Instruments, Inc. ("Products"), which documents have been or will be executed by and between Shimadzu Scientific Instruments, Inc. ("SSI") and the individual or entity identified therein as the purchaser of said Products ("Buyer"). The documents that comprise the Sales Agreement may include, but are not limited to: these General Terms and Conditions of Sale; price quote provided by SSI; purchase order issued by Buyer as modified and accepted by SSI; bill of sale for Products; bill of lading issued for the shipment of Products; and product invoice. All Products except designated CL versions of HPLC and LCMS, shall be for research use only and not for use in the diagnosis of disease or other conditions, including a determination of the state of health, in order to cure, mitigate, treat or prevent disease or its sequelae ("Diagnostic Purposes"). The provisions of these General Terms and Conditions of Sale, along with the terms and conditions contained in the other agreements comprising the Sales Agreement constitute the sole terms and conditions of the sale of products by SSI to Buyer. Any terms and conditions contained in Buyer's forms, including, without limitation, Buyer's Purchase Order, which are inconsistent with, different than or in addition to the terms and conditions contained in the Sales Agreement are hereby rejected and objected to by Buyer.

PRICES

The prices set forth in the Sales Agreement:

- (i) are SSI's domestic prices based upon manufacture of the quality and type of Product(s) ordered for shipment to and end use within the United States and Canada only - all Products shipped for end use outside the United States and Canada shall be subject to SSI's international pricing;
- (ii) are subject to revision when interruption, engineering changes or changes in quantity or quality are caused or requested by Buyer; and
- (iii) unless otherwise specified, do not include warranty service or installation outside the United States and Canada. Errors in Product pricing or related terms by SSI which may, in SSI's sole discretion, be deemed clerical errors are subject to correction by SSI at any time.

SPECIFICATIONS

Weights and dimensions set forth in Product related sales literature ("Sales Literature") are not guaranteed unless previously certified in writing. SSI may, without affecting the obligations under the Sales Agreement, make what SSI regards in its sole discretion as minor changes to the specifications of the Product or Products delivered under the Sales Agreement from those contained in Sales Literature.

TERMS OF PRODUCT USE

Buyer represents and warrants that the Products have not been purchased for Diagnostic Purposes and that the Buyer will not at any time use the Products for Diagnostic Purposes, except designated CL versions of HPLC and LCMS Products. The Buyer acknowledges that use of the Product for Diagnostic Purposes voids any and all warranties of the Products and is cause for Termination of this Agreement, as set forth in the "Contingencies; Force Majeure" section below.

TERMS OF PAYMENT

Subject to credit approval by SSI, terms of payment on the Sales Agreement are net thirty (30) days from date of the invoice unless otherwise specifically stated on the invoice, by check or wire. Payment by credit card is subject to 3% charge back at time of payment. Invoices are payable at par on date due at any place of collection designated by SSI in funds bankable at par. Payment made beyond terms will be subject to simple interest of 1 -1/2% per month on the outstanding balance. All orders are accepted and SSI's obligation to make deliveries are subject to SSI's right to either:

- (i) require Buyer to make payment of all or any part of the purchase price in advance of delivery of Product(s), or
 - (ii) make shipment of Product(s) to Buyer payable C.O.D.
- If Buyer fails to make advance payment when requested to do so by SSI or if Buyer is or becomes delinquent in the payment of any sum of any kind due SSI or refuses to accept C.O.D. shipments (whether or not arising out of the Sales Agreement), then SSI shall have the right, in addition to any other remedy to which it may be entitled in law or in equity, to cancel the Sales Agreement, refuse to make further deliveries, and declare immediately due and payable all unpaid amounts for Products and services previously delivered to or performed for Buyer. Each shipment shall be considered a separate and independent transaction and payment therefor shall be made accordingly. Buyer must notify SSI within fifteen (15) days from the invoice date if Buyer has not received the Product(s).

REPOSSESSION

In the event of nonpayment, either of the entire purchase price or a portion thereof, Buyer expressly consents to the right of SSI to reclaim by repossession of any and all Products delivered to Buyer pursuant to the Sales Agreement for which payment has not been made within (90) days of invoice. In the event that SSI elects to exercise its right to reclaim Products by repossessing the same, said election shall be deemed to be in the alternative and not to the exclusion of any other remedy to which SSI may be entitled, at law or in equity. To the extent that SSI successfully reclaims Products, it shall credit Buyer's account for the value of the same, as determined by SSI in its sole discretion. No Products may be reclaimed by repossession unless and until Buyer is provided with prior notice of SSI's intention to elect such remedy. Such notice shall state the date, time and location that Products shall be available for repossession. Such notice shall also provide Buyer with a final opportunity to cure the default of nonpayment within five (5) days of notice to avoid the execution of the remedy of repossession. The costs of repossession, including legal fees and costs of collection, shall be added to Buyer's account.

SECURITY INTEREST

Until the purchase price is paid in full, Buyer hereby grants to SSI a security interest in the Products and, in addition to any other remedies hereunder or otherwise provided at law or in equity, SSI shall have the right, and Buyer hereby grants SSI the right, without further notice to or consent from Buyer, to secure any and all payment obligations of Buyer by recordation of a security interest in the Products that are the subject of the Sales Agreement. Said security interest shall be in the form of a UCC Financing Statement (UCC Form 1) or other form prescribed by contract or applicable law. No UCC Financing Statement recorded for the benefit of SSI will be released unless and until all financial obligations to SSI incurred by Buyer with respect to the Products have been fully satisfied.

SHIPMENTS

- (i) The cost of packaging for domestic shipments is included in the quoted price unless otherwise provided. For international shipments or where special packaging is specified or necessary, a charge will be made to cover such expense.
- (ii) For shipments to and from places within the United States, all shipments, unless otherwise agreed in writing, shall be FOB point of shipment and title and risk of loss or damage shall pass to Buyer at the point of shipment. The cost of transportation and insurance (if requested by Buyer) shall be borne by Buyer.
- (iii) For shipments from the United States to ports and or places outside the United States all shipments are, unless otherwise agreed in writing, FOB Columbia, MD. SSI's obligation to affect shipment of the Products purchased by Buyer shall be fully discharged, and beneficial ownership, legal title and all risk of loss or damage shall pass to Buyer when the Products are made available for shipment to a carrier at the designated FOB location. If shipped FOB Destination, upon arrival Buyer shall be entitled to conduct a reasonable investigation of the Products purchased by it, but all claims for losses due to loss or damage to Products while in transit shall be waived unless made immediately in writing by Buyer to SSI, but not more than (30) thirty days after arrival. If Buyer shall fail or refuse to accept delivery of any of the Products for unverifiable claims for loss or damage to Products occurring while in transit, all sums paid on deposit shall be retained by SSI as liquidated damages, provided, however, that SSI may recover in full its actual damage from Buyer in the event that actual damages exceed the amount retained as liquidated damages.
- (iv) All claims for damage or loss of insured shipments shall be immediately communicated to SSI at:

Shimadzu Scientific Instruments, Inc.

7102 Riverwood Drive, Columbia, Maryland 21046-2502

Attn: Customer Service, Phone: (410) 381-1227.

Buyer shall immediately notify delivering carrier of loss or damage to the shipment and SSI will cooperate with Buyer in the adjustment of all claims. Buyer agrees to permit SSI or SSI's representative to inspect damaged Products.

TERMINATION

Upon any termination or cancellation of the Sales Agreement by Buyer (if otherwise specifically permitted by the terms of the Sales Agreement), either in whole or in part, Buyer agrees to promptly pay appropriate termination or cancellation charges invoiced by SSI. At SSI's sole discretion, the termination charge shall be not less than twenty percent (20%) of the total amount of the Sales Agreement.

RETURNED PRODUCTS

All returns must be pre-authorized by SSI and a Return Goods Authorization ("RGA") number must appear on the face of the package. Returned Products will be subject to a restocking charge. If deemed appropriate at SSI's sole discretion, the restocking charge shall be not less than twenty percent (20%) of the total amount of the Sales Agreement.

ALLOCATION OF PRODUCTS

If SSI is unable for any reason to supply the total demands for Products specified in Buyer's order, SSI may allocate its viable supply among any or all buyers, including Buyer, on such basis as SSI may deem fair and practical, without liability for any failure of performance which may result therefrom.

DELIVERY

The scheduled shipping or delivery date shown on the face of the Sales Agreement is SSI's best estimate of the time the Product order will be shipped and SSI assumes no liability for loss, general damages, or special or consequential damages due to delays.

TAXES AND OTHER CHARGES

All taxes on Products, goods and/or services sold under the Sales Agreement, including but not limited to federal, state and local excise, sales or use taxes, shall be borne solely by Buyer. Buyer shall be obligated to pay all taxes set forth on invoices, in accordance with the terms of payment, provided that SSI shall not invoice taxes when within 30 days of placing the order, Buyer has furnished SSI with written proof of exemption from tax in the form of a certificate of exemption or an equivalent document which Buyer represents and warrants is properly completed and validly executed. If, notwithstanding the foregoing, any taxing authority attempts to assess taxes, Buyer shall indemnify and hold harmless SSI from any loss, damage, claim or cause of action, including, but not limited to, tax, interest, penalties and professional fees, related to such attempted assessment and shall make payment to SSI for any such costs paid by SSI and invoiced to Buyer in accordance with the terms of payment.

PATENTS

SSI shall defend any suit or proceeding brought against Buyer so far as based upon an assertion that any Product furnished under the Sales Agreement constitutes a direct infringement of any United States patent having a claim or claims covering solely the Product itself, if notified promptly in writing and given authority, information and assistance (at SSI's expense) for the defense of same, and

SSI shall pay all damages and costs awarded therein against Buyer. In the event said Product in such suit is held to constitute infringement and the use of said Product is enjoined, SSI shall, at its own option and at its own expense, either:

- (i) procure for Buyer the right to continue using said Product, (ii) replace the same with a non-infringing Product,
- (iii) modify it so it becomes non-infringing, or
- (iv) remove said Product and refund the purchase price and transportation costs thereof. The foregoing obligations of SSI shall not apply to any infringement claim based upon:
 - (i) any use of any Product sold hereunder in any process or in conjunction with any other product,
 - (ii) any Product manufactured to Buyer's design or any Product having a design arising from SSI's compliance with Buyer's specifications; or
 - (iii) use of any Product sold hereunder, if the Product has been modified or customized by Buyer.

The foregoing sets forth the entire liability of SSI for patent infringement by said Product. If any suit or proceeding is brought against SSI based on claims that the goods manufactured by SSI in compliance with Buyer's specifications and supplied to Buyer directly infringe any fully issued United States patent, then the patent indemnity obligations herein stated with respect to SSI shall reciprocally apply with respect to Buyer.

WARRANTY

Subject to the exceptions and upon the conditions stated below or in the Sales Agreement, SSI warrants that the Products sold under the Sales Agreement shall be free from defects in workmanship and materials for one year after shipment of the Products to the original Buyer by SSI (the "Warranty"), and if any such Products should prove to be defective within such one year period, SSI's sole liability (and Buyer's sole and exclusive remedy) shall be, at its option, either (i) to correct by repair or, at SSI election, by replacement with equivalent product any such defective Product, provided that investigation and factory inspection discloses that such defect developed under normal and proper use, or (ii) to refund the purchase price. The exceptions and conditions mentioned above are as follows:

- (i) Components or accessories manufactured by SSI which by their nature are not intended to and will not function for one year are warranted only to give reasonable service for a reasonable time; what constitutes reasonable time and reasonable service shall be determined solely by SSI. A complete list of such components and accessories is maintained at the factory and is available to Buyer;
- (ii) SSI makes no warranty with respect to components or accessories not manufactured by it, in the event of defect in any such component or accessory SSI will give reasonable assistance to Buyer in obtaining from the respective manufacturer whatever adjustment is authorized by the manufacturer's own warranty;
- (iii) any Product claimed to be defective must, if required by SSI, be returned to the factory, transportation charges prepaid, and will be returned to Buyer with transportation charges collect unless the Product is found to be defective, in which case SSI will pay all transportation charges;
- (iv) if the Product is a reagent or the like, it is warranted only to conform to the quantity and content and for the period (but not in excess of one year) stated on the label at the time of delivery;
- (v) SSI may from time to time produce a special printed warranty with respect to a certain Product, and where applicable, such warranty shall be deemed incorporated herein by reference;
- (vi) SSI shall be released from all obligations under all warranties, whether expressed or implied, if any Product covered hereby is repaired or modified by persons other than its own authorized service personnel unless such repair by others is made with the written consent of SSI; and
- (vii) SSI's obligations pursuant to all warranties, either express or implied, shall be expressly conditioned upon payment in full by Buyer for the Products covered by the warranties. In the event of non-payment, whether for the entire purchase price or a part thereof, SSI shall be released from all obligations under all warranties, either express or implied.

IT IS EXPRESSLY AGREED THAT THIS WARRANTY SHALL BE IN LIEU OF ALL WARRANTIES OR WARRANTY OF ANY NATURE WHATSOEVER, WHETHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES OF FITNESS AND MERCHANTABILITY, AND THAT NEITHER BUYER NOR SSI SHALL HAVE ANY LIABILITY FOR SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND OR CAUSE WHATSOEVER, INCLUDING, BUT NOT LIMITED TO LOSS OF USE, LOSS OF DATA, LOSS OF PRODUCTIVITY, LOSS OF BUSINESS, LOSS OF PROFIT, LOSS OF PLANT, EQUIPMENT OR PRODUCTION. THE LIMITATION OF LIABILITY FOR SUCH DAMAGES SHALL BE APPLICABLE EVEN IF SSI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, ARISING OUT OF THE MANUFACTURE, USE, SALE, HANDLING, REPAIR, MAINTENANCE OR REPLACEMENT OF ANY OF THE PRODUCTS SOLD UNDER THE SALES AGREEMENT.

If an SSI Special Warranty (covering a designated item or items) is contained in the manual or is otherwise shipped with such designated item or items, the terms and conditions specified therein are incorporated herein by reference and shall supplement the foregoing warranty. In the event of a conflict between the terms and conditions specified herein and those specified in such Special Warranty, the terms and conditions specified herein shall control. SSI's warranties made in connection with this sale shall not be effective if SSI has determined, in its sole discretion, that Buyer has misused the Products in any manner, has failed to use the Products in accordance with industry standards and practices, or has failed to use the Products in accordance with instructions, if any, furnished by SSI, or in addition to.

Representations and warranties made by any person, including dealers and representatives of SSI, which are inconsistent or in conflict with the terms of this warranty, shall not be binding upon SSI unless expressly assumed in a writing that is approved and signed by an authorized officer of SSI. By signing the Sales Agreement, the Buyer specifically acknowledges that no representations or warranties were made by any person, including dealers and representatives of SSI, that the Product may be used for Diagnostic Purposes.

CONTINGENCIES; FORCE MAJEURE

SSI shall be entitled to cancel or rescind the Sales Agreement, without liability for loss or damage resulting therefrom, if:

- (i) any Product covered by the Sales Agreement is purchased for end use outside the United States or Canada; (ii) the Buyer breaches any of its representations or warranties found in this Agreement; or (iii) the performance of SSI's obligations under the Sales Agreement is any way adversely affected by the occurrence of any contingency beyond the control of either SSI or SSI's suppliers, including but not limited to:

- (a) war (whether an actual declaration thereof is made or not), sabotage, insurrection, riot, act of a public enemy, or other act of civil disobedience;
- (b) failure or delay in transportation;
- (c) act of any government, government agency or subdivision of any government, or any judicial action affecting the terms of the Sales Agreement;
- (d) labor dispute, shortage of labor, fuel, raw material or technical or yield failure where SSI has exercised ordinary care in the prevention thereof; and
- (e) accident, fire, explosion, flood, storm or other act of God.

U.S. GOVERNMENT CONTRACTS

If the Products to be furnished under the Sales Agreement are to be used in the performance of a U.S. Government contract or subcontract, and a U.S. Government contract number shall appear on Buyer's order, those clauses of the applicable U.S. Government procurement regulations that are required to be included in U.S. Government contracts and subcontracts shall be incorporated herein by reference, including, without limitation, the Federal Acquisition Regulations and the Fair Labor Standards Act of 1938, as amended.

INDEMNIFICATION

Buyer shall at its own expense apply for and obtain any permits and inspections required for the installation and/or use of the Products. SSI makes no promise or representation that the Products or related services will conform to any federal, state or local laws, ordinances, regulations, codes or standards, except as particularly specified and agreed upon in writing by an authorized representative of SSI. SSI's Products are not for use in or with any nuclear facility unless specifically so stated by SSI in writing. SSI's Products are not for use for Diagnostic Purposes. SSI shall not be responsible for any losses or damages sustained by Buyer or any other person as a result of improper installation or misapplication of the Products. Buyer shall defend, indemnify and hold harmless SSI and its agents and employees against any loss, damage, claim, suit, liability, judgment or expense (including, without limitation, attorney's fees) arising out of or in connection with, directly or indirectly (i) any injury, disease or death of persons (including, without limitation, Buyer's employees and agents) or damage to or loss of any property or the environment, or violation of any applicable laws or regulations resulting from or in connection with the sale, transportation, installation, use, or repair of the Products by Buyer or of the information, designs, services or other work supplied to Buyer, whether caused by the concurrent and/or contributory negligence of Buyer, SSI, or any of their agents, employees or suppliers. The obligations, indemnities and covenants contained in this paragraph shall survive the consummation or termination of this transaction, and (ii) the breach or failure of any representation, warranty or any obligation of Buyer contained in the Sales Agreement.

CONFIDENTIAL INFORMATION

Except as required by law, neither party shall use (except for purposes connected with the performance of its obligations hereunder), divulge or communicate to any third party any information of the other it reasonably knows to be confidential.

FDA REQUIREMENTS

If any Product sold by SSI to Buyer is subject to regulation by the Food and Drug Administration as a device, then as to any such Product, sale and delivery is contingent upon successful completion and processing of a 510(k) notice. If such a 510(k) notice cannot be obtained by SSI, SSI shall have no obligation to deliver the Product.

COMPLIANCE WITH LAWS

Buyer agrees to comply fully with all federal, state, county and local laws, rules and regulations concerning the purchase, sale and use of Products. Without limiting the foregoing, Buyer agrees to comply with any the Export Administration Regulations; Federal Food, Drug & Cosmetics Act; the International Traffic in Arms Regulations of the United States; and the Foreign Corrupt Practices Act of the United States in so far as they apply to the sale of Products. To the extent the Products require license for export, the Products are licensed by the United States for delivery to the ultimate destination as shown on the shipment/invoice address and any contrary diversion may be prohibited by law.

APPLICABLE LAW, JURISDICTION VENUE

The Sales Agreement is made and entered into, and shall be governed, enforced and interpreted in accordance with the laws of the State of Maryland. The Buyer hereby expressly consents to the exclusive jurisdiction of the federal or state courts of the State of Maryland with regard to all issues and questions of law or fact pertaining to the Sales Agreement. In the event that either party commences litigation to enforce the Sales Agreement, said litigation shall be brought in the courts located in Howard County, Maryland. The prevailing party to any such action shall be entitled to an award of all costs and attorney's fees actually incurred.

GENERAL PROVISIONS

The rights and obligations under these General Terms and Conditions of Sale will inure to the benefit of, and be binding upon the parties hereto and their respective heirs, administrators, executors, personal representatives, successors and permitted assigns. No action, failure of action or delay by either party will constitute a waiver of any of its rights or remedies under these General Terms and Conditions of Sale. SSI and Buyer are not, and will not be, joint ventures, partners, agents, servants, or employees or fiduciaries of the other, and do not have the power to bind or obligate the other. The waiver of a breach of any provision does not constitute a waiver of a subsequent breach of the same or different provision. If any of the terms of these General Terms and Conditions of Sale or the Sales Agreement are subsequently or are now illegal, they will

be severed without affecting the remaining terms. The section headings are for reference only and will not be considered controlling as to the content and/or interpretation of any section.

ENTIRE AGREEMENT

These General Terms and Conditions of Sale, together with the Sales Agreement, and any attachments, exhibits and supplements specifically referred to in the Sales Agreement, are intended by the



Company Name: JEFFERSON PARISH
Quote Number: SSI-85647-Z0C4
Activation Date: 6/1/2015
Expiration Date: 7/17/2015

parties as a complete and exclusive statement of the terms of their agreement, and supersede all prior agreements, written or oral. No course of prior dealings between the parties and no usage of the trade may be used by Buyer to supplement or explain any term used herein.
END GENERAL TERMS AND CONDITIONS OF SALE

This document contains the number of pages indicated, including all attachments. Authorized signature required on quotation pages

SSI-85647-Z0C4

#34168

Form
(Rev. November 2005)
Department of the Treasury
Internal Revenue Service

W-9

**Request for Taxpayer
Identification Number and Certification**

Give form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2

1

Name (as shown on your income tax return)

2

Business name, if different from above
Shimadzu Scientific Instruments, Inc

3

Check appropriate box: ☐ Individual/
Sole proprietor ☒ Corporation ☐ Partnership ☐ Other ☐ Exempt from backup
withholding

4

Address (number, street, and apt. or suite no.)
7102 Riverwood Drive

5

City, state, and ZIP code
Columbia MD 21046

6

Requester's name and address (optional)

7

List account number(s) here (optional)

Part I

Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid
backup withholding. For individuals, this is your social security number (SSN). However, for a resident
alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is
your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number

OR

Employer identification number

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose
number to enter.

5241035956

Part II

Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and

2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal
Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has
notified me that I am no longer subject to backup withholding, and

3. I am a U.S. person (including a U.S. resident alien).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup
withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply.
For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement
arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must
provide your correct TIN. (See the instructions on page 4)

Sign
Here

Signature of
U.S. person

Date

3/30/10

Purpose of Form

A person who is required to file an information return with the
IRS, must obtain your correct taxpayer identification number
(TIN) to report, for example, income paid to you, real estate
transactions, mortgage interest you paid, acquisition or
abandonment of secured property, cancellation of debt, or
contributions you made to an IRA.

U.S. person. Use Form W-9 only if you are a U.S. person
(including a resident alien), to provide your correct TIN to the
person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are
waiting for a number to be issued),

2. Certify that you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are a
U.S. exempt payee.

In 3 above, if applicable, you are also certifying that as a
U.S. person, your allocable share of any partnership income
from a U.S. trade or business is not subject to the
withholding tax on foreign partners' share of effectively
connected income.

Note. If a requester gives you a form other than Form W-9 to
request your TIN, you must use the requester's form if it is
substantially similar to this Form W-9.

For federal tax purposes, you are considered a person if you
are:

• An individual who is a citizen or resident of the United
States,

• A partnership, corporation, company, or association
created or organized in the United States or under the laws
of the United States, or

• Any estate (other than a foreign estate) or trust. See
Regulations sections 301.7701-6(a) and 7(a) for additional
information.

Special rules for partnerships. Partnerships that conduct a
trade or business in the United States are generally required
to pay a withholding tax on any foreign partners' share of
income from such business. Further, in certain cases where a
Form W-9 has not been received, a partnership is required to
presume that a partner is a foreign person, and pay the
withholding tax. Therefore, if you are a U.S. person that is a
partner in a partnership conducting a trade or business in the
United States, provide Form W-9 to the partnership to
establish your U.S. status and avoid withholding on your
share of partnership income.

The person who gives Form W-9 to the partnership for
purposes of establishing its U.S. status and avoiding
withholding on its allocable share of net income from the
partnership conducting a trade or business in the United
States is in the following cases:

• The U.S. owner of a disregarded entity and not the entity,

Cat. No. 10231X

Form W-9 (Rev. 11-2005)

Tom Schedler
Secretary of State

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

| Name | Type | City | Status |
|-----------------------------------|---|-------|--------|
| THERMO ELECTRON NORTH AMERICA LLC | Limited Liability Company (Non-Louisiana) | DOVER | Active |

Business: THERMO ELECTRON NORTH AMERICA LLC

Charter Number: 35821594Q

Registration Date: 11/24/2004

Domicile Address

1675 SOUTH STATE ST
STE B
DOVER, DE 19901

Mailing Address

81 WYMAN STREET
WALTHAM, MA 02454

Principal Business Office

1400 NORTHPOINT PARKWAY
SUITE #10
WEST PALM BEACH, FL 33407

Registered Office in Louisiana

8550 UNITED PLAZA BUILDING II, STE. 305
BATON ROUGE, LA 70809

Principal Business Establishment in Louisiana

8550 UNITED PLAZA BLDG. II
SUITE 305
BATON ROUGE, LA 70809

REJECTED
ALL BID REQUIREMENTS NOT MET

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 11/24/2004

Last Report Filed: 10/27/2014

Type: Limited Liability Company (Non-Louisiana)

Registered Agent(s)

Agent: CAPITOL CORPORATE SERVICES, INC.
Address 1: 8550 UNITED PLAZA BUILDING II, STE. 305
City, State, Zip: BATON ROUGE, LA 70809
Appointment Date: 7/9/2009

Amendments on File (2)

| Description | Date |
|---------------------------------|-----------|
| Foreign LLC Statement of Change | 1/29/2008 |
| Foreign LLC Statement of Change | 7/9/2009 |

Print

**FLORIDA DEPARTMENT OF STATE
DIVISION OF CORPORATIONS****Detail by Entity Name****Foreign Limited Liability Company**

THERMO ELECTRON NORTH AMERICA LLC

Filing Information

| | |
|----------------------|-----------------------|
| Document Number | M03000000790 |
| FEI/EIN Number | 431992201 |
| Date Filed | 03/10/2003 |
| State | DE |
| Status | ACTIVE |
| Last Event | NAME CHANGE AMENDMENT |
| Event Date Filed | 11/15/2004 |
| Event Effective Date | NONE |

Principal Address1400 NORTHPOINT PARKWAY, SUITE #10
WEST PALM BEACH, FL 33407

Changed: 03/11/2010

Mailing Address81 WYMAN STREET
WALTHAM, MA 02454**Registered Agent Name & Address**CAPITOL CORPORATE SERVICES, INC
155 OFFICE PLAZA DR
STE A
TALLAHASSEE, FL 32301

Name Changed: 07/06/2009

Address Changed: 07/06/2009

Authorized Person(s) Detail**Name & Address**

Title MANAGING MEMBER

THERMO FISHER SCIENTIFIC WEST PALM HOLDINGS LLC

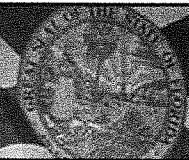
81 WYMAN STREET
WALTHAM, MA 02454

Annual Reports

| Report Year | Filed Date |
|--------------------|-------------------|
| 2013 | 04/03/2013 |
| 2014 | 03/25/2014 |
| 2015 | 03/27/2015 |

Document Images

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DIVISION OF CORPORATIONS**
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Officer/RA Name Search

Officer/Registered Agent Name List

| Officer/RA Name | Entity Name | Entity Number |
|--|---|---------------|
| VILMA GARCIA | THE WIZZ CONCEPTS, INC. | P95000055352 |
| VILMA, GOMEZ G | M3 CONSTRUCTION GROUP, INC. | P02000059614 |
| VILMA, ESRA, HERNANDEZ | CASANDRA ALL CONSTRUCTION INC | P05000074186 |
| VILMA H MAGIORI SANTOS | HELENA MAGGIORI CLEANING INC. | P12000011356 |
| VILMA H. MAGIORI SANTOS | HELENA MAGGIORI CLEANING INC. | P12000011356 |
| VILMA, JONATHAN | VILMA ENTERPRISES LLC | L04000041805 |
| VILMA, JONATHAN | SAM VIL LLC | L11000051638 |
| VILMA, JONATHAN | SAM FIRST LLC | L11000051640 |
| VILMA, JONATHAN | FINANCIAL 51 ORGANIZATION, INC. | N07000006414 |
| VILMA JOSEFINA DEL COROMOTO MENDOZA DIAZ | RAINBOW OCEAN BENTLEY CORPORATION | P03000148461 |
| VILMA, KETLINE E | NERIAH COMMUNITY HEALTH FOUNDATION, INC. | F14000005057 |
| VILMA, KETLINE E | NERIAH COMMUNITY HEALTH FOUNDATION, INC. | F14000005057 |
| VILMA LILIANA CABRERA | LILLY WORLDWIDE FREIGHT CONSULTANTS LLC. | L11000021170 |
| VILMA, LOPEZ | VILMA LOPEZ P.A. | P09000013355 |
| VILMA, LOPEZ | VILMA LOPEZ P.A. | P09000013355 |
| VILMA, MANDLEY | TIPTOP TOPPINGS LLC | L14000190950 |
| VILMA, MOONAN | AMERICAN MOONAN MOTORS, INCORPORATED | L45828 |
| VILMAN, EDUARDO | INTERNATIONAL PENTECOSTAL CITY MISSION PRAYER CENTER OF FLORIDA, INC. | 750819 |
| VILMANIS, NICHOLAS | NIK'S LANDSCAPING AND MAINTENANCE, INC. | P99000034818 |
| VILMANIS, NICHOLAS P | NIK'S ECO FRIENDLY FERTILIZER & PEST MANAGEMENT, LLC | L10000028690 |

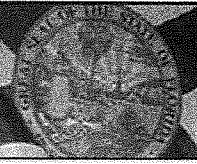
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State of Florida, Department of State

FLORIDA DEPARTMENT OF STATE
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If searching by an individual's name, enter the Last name followed by the First (i.e. doe john).



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State of Florida, Department of State



REJECTED
ALL BID REQUIREMENTS NOT MET

Bid Number 50 – 00113239

**LABOR, MATERIALS AND EQUIPMENT NECESSARY TO SUPPLY AND
INSTALL A GAS CHROMATOGRAPH AND RELATED ACCESSORIES FOR
THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS –WATER**

Bid Opening Date: June 2, 2015 at 2:00 p.m., local time

ATTENTION VENDORS!!!

**Please review all pages and respond accordingly, complying with all provisions
in the technical specifications and Jefferson Parish Instructions for Bidders and
General Terms and Conditions. All bids must be received in the Purchasing
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer's Name: Ms. Sidney Duffy, Buyer II
Buyer's Email: sduffy@jeffparish.net
Buyer's Phone: (504) 364-2682**

DATE: 5/06/2015

INVITATION TO BID
THIS IS NOT AN ORDER

BID NO.: 50-00113239

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

Page: 1

BUYER: SDuffy@jeffparish.net

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 6/02/2015 AND PUBLICLY OPENED THEREAFTER.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS
THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Forms to register may be downloaded from www.purchasing.jeffparish.net and clicking on Vendor Information.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated.

If the bid exceeds \$30,000.00 and the company is duly authorized to do business in the state of Louisiana, a corporate resolution must be submitted with the bid or the person signing the bid documents must be listed on the Louisiana Secretary of State's website as an officer of the corporation, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). If the bid is in excess of \$30,000 and bidder is registered out of the state of Louisiana, a corporate resolution must be submitted with the bid, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. Bids submitted by Owner or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. Sole proprietors submitting bids for public works projects shall within 10 days after bid opening submit sole proprietorship certification.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. IN THE EVENT OF SPLIT AWARD, THE PURCHASING DEPARTMENT MAY CONTACT VENDORS TO REQUEST REQUIRED AFFIDAVITS. THOSE VENDORS WILL HAVE 10 DAYS FROM THE DATE OF NOTICE TO SUBMIT COMPLETE, SIGNED AND NOTARIZED AFFIDAVITS IN ORIGINAL FORMATS.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

DATE: 5/06/2015

BID NO.: 50-00113239

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Page: 3

E. RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

F. POSTING OF BIDS: A listing of bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA and will remain posted until close of respective bids.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This Electronic Procurement System allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Please note requirements contained in this bid package for electronic bid submission.

Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

6,10,13,15

1. All bidders must attend the pre-bid conference in relation to this bid; attendance is mandatory. Failure to attend will prohibit a company from submitting a bid. Vendors arriving after the mandatory pre-bid conference begins will not be allowed to sign in as evidence of attendance.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

DATE: 5/06/2015

BID NO.: 50-00113239

Page: 4

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid Solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations or warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder with bid submission within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON-PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 5/06/2015

Page: 5

BID NO.: 50-00113239

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

30-45 Days ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Thermo Electron North America LLC

ADDRESS: 1400 Northpoint Pkwy Ste 10

CITY, STATE: West Palm Beach, FL

ZIP: 33407

TELEPHONE: (800) 532-4752

FAX: (412) 200-6542

EMAIL ADDRESS: usmadorderprocessing@thermofisher.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: None

NUMBER: _____

NUMBER: _____

NUMBER: _____

REJECTED
ALL BID REQUIREMENTS NOT MET

TOTAL PRICE OF ALL BID ITEMS: \$ 155,700.49

AUTHORIZED

SIGNATURE: Vilma Fermin

Vilma Fermin

Printed Name

TITLE: Order Entry Administrator

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00113239

SEALED BID

| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|----------------|----------|-----|---|-----------------------|--------|
| 1 | 1.00 | EA | Thermo Scientific ISQ Mass Spectrometer LABOR, MATERIALS AND EQUIPMENT NECESSARY TO SUPPLY AND INSTALL GAS CHROMATOGRAPH AND RELATED ACCESSORIES FOR THE JEFFERSON PARISH DEPARTMENT OF PUBIC WORKS, WATER. 0010 AGILENT G3440B, 7890B GAS CHROMATO- GRAPH CUSTOM, INCLUDES LAN INTERFACE, 7693 INTERFACE, 20-RAMP OVEN PROGRAMMING 6 HEATED ZONES, 2 ANALOG OUT, KEYBOARD AND DISPLAY PRESSURE SETPOINTS TO 0.001 PSI, INERT CAP SPLIT/SPLITLESS INLET WITH ELECTRONIC PNEUMATICS CONTROL (EPC) 100 PSI. MASS SPECTROPHOTOMETER DETECTOR INTERFACE. THREE CHANNELS OF EPC, FACTORY PLUMBING, OVEN EXHAUST DEFLECTOR, PURGED UNION, BACKFLUSH READY INCLUDES INSTALLATION AND FAMILIAR- IZATION. WATER DEPT.-WATER LAB-KRISTEN RAGAN | ter EI LT Large Turbo | |
| 2 | 1.00 | EA | 0020 AGILENT G7042AA, 5977A INERT MASS SELECTIVE DETECTOR (MSD) WITH DATA SYSTEM. PERFORMANCE TURBO PUMP AND INERT ELECTRON IONIZATION (EI) SOURCE. INCLUDES SELECT MASS HUNTER FAMILIARIZA- TION, INSTALLATION, MSD FAMILIARIZATION, AND ONE YEAR OF PHONE ASSISTANCE. | | |
| 3 | 1.00 | EA | 0030 AGILENT G3397B, ION GUAGE KIT FOR 5977 MSD. INCLUDES INSTALLATION. | | |
| 4 | 1.00 | EA | 0040 AGILENT G1033A, NIST 2014 MS LIBRARY BUNDLE, INCLUDES 243,000 SPECTRA WITH NAMES, CHEMICAL STRUCTURES, AND RETENTION INDICES. INCLUDES MS/MS SPECTRA LIBRARY, NIST SEARCH, AND AMDIS PROGRAMS. INCLUDES INSTALLATION | | |
| 5 | 1.00 | EA | 0050 AGILENT G4513A, 7693A AUTOINJECTOR THAT INCLUDES TRANSFER TURRET, 16-SAMPLE TURRET, MOUNTING POST, PARKING POST FOR GC, 10 UL SYRINGE, AND SOLVENT BOTTLES. INCLUDES INSTALLATION AND FAMILIARIZATION. | | |
| 6 | 1.00 | EA | 0060 TEKMAR TMR-9800 STRATUM PTC SAMPLE CONCENTRATOR. INCLUDES 60 INCH SILTEK TREATED TRANSFER LINE, TUBING, AND | | |

DATE: 5/06/2015

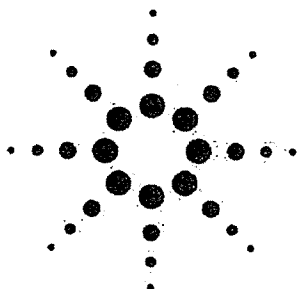
Page 7

INVITATION TO BID FROM JEFFERSON PARISH - continued

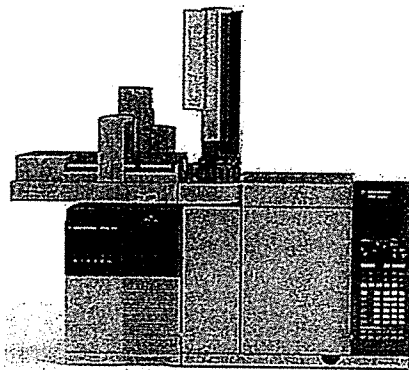
BID NO.: 50-00113239

SEALED BID

| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|-------------------------------|----------|-----|---|----------------------|--------------|
| 7 | 1.00 | EA | TREATED FITTINGS THROUGH SAMPLE PATHWAY, HEATED SAMPLE MOUNT, DRY FLOW MOISTURE SYSTEM, AND U-TRAP TECHNOLOGY. | | |
| | | | 0070 AGILENT G3184-60065, TEE, INERT FOR CAPILLARY FLOW TECHNOLOGY. | | |
| 8 | 1.00 | EA | 0080 AGILENT 160-2255-5 FUSED SILICA DEACTIVATED TUBING 0.250 MM X 5 M | | |
| 9 | 1.00 | EA | 0090 AGILENT G3188-27502 0.32MM ULTIMETAL TREATED FLEXIBLE METAL FERRULE | | |
| 10 | 1.00 | EA | 0100 AGILENT SYS-GM-5977T, ADVANTAGE SILVER SERVICE AGREEMENT, 3 YEARS TOTAL INCLUDING 1 PREVENTATIVE MAINTENANCE PER YEAR. | | |
| 11 | .00 | | LOCATION: JEFFERSON PARISH WATER LAB 3600 JEFFERSON HWY., BLDG. E JEFFERSON, LA 70121 ATTN: KRISTEN RAGAN 504-838-4305 | | |
| As Per Quotation No 20598407. | | | | | \$104,159.28 |



Agilent 5977A Series GC/MSD System Data Sheet



GC/MSD

The Agilent 7890B/5977A Series Gas Chromatograph/Mass Selective Detector builds on a 45-year tradition of leadership in GC and MS technology. This advanced GC/MSD platform delivers a higher level of performance and productivity with:

- The industry's highest S/N and lowest IDL
- The power and flexibility of both Classic MSD ChemStation and new MassHunter Quantitative and Qualitative Analysis
- Eco-friendly features that save energy and time
- Integrated Intelligence to support methods development and system optimization
- Enhanced communication between the GC and MSD for more efficient and safer operation

Mass Selective Detector

| | |
|------------------------|--|
| El source | Standard Inert or high sensitivity Extractor |
| CI source | PCI, NCI, and EI acquisition |
| Ion source temperature | 150–350 °C |
| Quadrupole temperature | 106–200 °C |
| Mass filter | Monolithic hyperbolic quadrupole |
| Mass range | 1.6–1,050 u |
| Mass axis stability | Better than 0.10 u/48 h |
| Detector | Triple-Axis Detector with long life EM |

Gas Chromatograph

| | |
|------------------------|---|
| Gas chromatograph | Agilent 7890B |
| Autosampler | Agilent 7693, 7650, CombiPAL, 7697 headspace and other third party autosamplers |
| Oven temperature | Ambient +4 – 450 °C Ambient +5 – 350 °C |
| Oven ramps/plateaus | 7890B Supports 20 oven ramps with 21 plateaus. Negative ramps are allowed. |
| Retention-time locking | RTL-ready |



Agilent Technologies

Data System

| | |
|---------------------------------|--|
| Software | GC/MSD MassHunter Acquisition with both MassHunter and Classic ChemStation Data Analysis |
| Simultaneous signal acquisition | Simultaneous support of two MSDs and four GC detectors |
| SIM/Scan | Automated SIM setup and synchronous SIM/scan operation |
| Application autotunes | One-click autotune for BFB, DFTPP |

Optional Libraries and Software Tools

| | |
|-----------------------|--|
| Spectral libraries | NIST, Wiley/NIST, Maurer-Pfieger-Weber Drug |
| Spectral DRS and RTL | Pesticides and endocrine disrupter databases, volatiles, PCBs, toxicology, hazardous chemicals, indoor air toxics, Japan Positive List, forensic toxicology, environment semivolatiles, and several user contributed libraries |
| 21CFR11 Compliance | MassHunter Data Acquisition and Quantitative Data Analysis |
| Multivariate analysis | Mass Profiler Professional |

Physical Requirements with the Agilent 7890B

| | |
|--------------------|--|
| Dimensions (GC/MS) | 88 cm (w), 56 cm (d), 50 cm (h) Additional space should be added for the auto injector, sample tray, data system and printer. |
| Weight (GC/MS) | 81 to 96 kg (depending on configuration) |

Installation Checkout Specifications

| | |
|--|---|
| EI SIM IDL (Helium Carrier gas with Auto Liquid Sampler) | 10 fg or less IDL for Extractor Ion source, turbo molecular pump system 24 fg or less for Inert EI source, turbo molecular pump system 30 fg or less for Inert EI source, diffusion pump system IDL statistically derived at 99% confidence level from the area precision of eight sequential split-less injections of 100 fg OFN, monitoring m/z 272. |
| EI scan S/N (Helium carrier gas manual injection) | 1500:1 or higher S/N for Extractor ion source, turbo molecular pump system 600:1 or higher for Inert EI Ion Source, turbo molecular pump system 300:1 or higher for Inert EI Ion Source, diffusion pump system These numbers will be given by 1- μ L injection of 1 pg/ μ L OFN standard scanning from 50 to 300 u at nominal 272.0 u ion. |
| PCI scan S/N (Methane) | 125:1 S/N will be given by 1- μ L injection of 100-pg/ μ L BZP ² standard scanning from 80 to 230 u at nominal 183 u ion |
| NCI scan S/N (Methane) | 600:1 S/N will be given by 2- μ L injection of 100 fg/ μ L OFN standard scanning from 50 to 300 u at nominal 272 u ion |

¹Octafluoronaphthalene (OFN)

²Benzophenone (BZP)

For More Information

For more information on our products and services, visit our Web site at www.agilent.com/chem.

www.agilent.com/chem/5977A

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5991-1838EN



Agilent Technologies



Capillary Flow Technology: Splitters

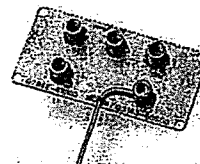
GET MORE INFORMATION IN LESS TIME

The Measure of Confidence



Agilent Technologies

A time-saving alternative to running samples on multiple GCs



Analyzing complex samples may require different types of specific GC detectors in order to meet detection limits, overcome matrix interferences, or confirm unknown peaks. Forensic analysis often requires mass spectrometry to produce defensible data for possible use in a criminal trial. Therefore, it is not unusual in such situations to run a sample multiple times on different GC systems, each with a dedicated detector. Agilent offers a time-saving alternative: use our Capillary Flow Technology Splitter to split effluent from a single column to two or three detectors on the same GC.

While the use of splitters is not new, the technique has been limited in its use due to technical challenges with the splitting hardware. For instance, optimal performance requires that a splitter be inert, have low thermal mass and dead volume, be leak free, allow no outgassing from sealing materials, and be capable of withstanding the temperatures used in the GC analysis.

HERE'S HOW AGILENT'S TECHNOLOGY OVERCOMES PREVIOUS SPLITTER CHALLENGES:

| Challenges | The Agilent Solution |
|--|--|
| <p>With traditional splitters:</p> <ul style="list-style-type: none"> ▪ Glass "Y" connectors can be difficult to assemble correctly, and the column or fused silica tubing can sometimes detach upon thermal cycling of the oven. ▪ Some splitters use polyimide ferrules, which can outgas at high temperatures and develop leaks upon thermal cycling due to shrinkage of the polymer. ▪ Graphite ferrule splitters eliminate thermal cycling problems but may have trouble with inertness; they can outgas contaminants at high temperatures and can shed active particles into the sample path. ▪ There is the risk of atmospheric detector gas "leaking" into the mass spectrometer if make-up gas is not used for pressure compensation. ▪ The split ratio on various detectors depends on the length and internal diameter (i.d.) of the restrictor tubing. Selecting the correct dimensions requires calculations that can impact the chromatography, especially if using a mass spectrometer (vacuum). | <p>With Agilent's Capillary Flow Technology Splitter modules:</p> <ul style="list-style-type: none"> ▪ The column and restrictors leading to the detectors attach to the module using metal ferrules that do not outgas, do not shed particles, will not detach, and eliminate leaks (even after oven cycles with temperatures as high as 350 °C). ▪ All surfaces are deactivated for a completely inert sample path. ▪ Aux EPC can be used to ensure there is no backflow of gas from a GC detector to an MSD, protecting the source from possible damage. ▪ A simple calculator, based on Microsoft® Excel, is used to determine the restrictor dimensions needed to attain a specific split ratio. See tips and tools for more information. |

How it works.

AGILENT OFFERS SEVERAL DIFFERENT SPLITTERS THAT USE OUR PROPRIETARY CAPILLARY FLOW TECHNOLOGY

1. Two-way splitter without makeup gas. This splitter divides the column effluent to two different detectors. It is useful for labs that set up a single configuration and use it without changing columns or parameters frequently. It is best used with column flows greater than 2 mL/min and with atmospheric pressure detectors. While it can be used for splitting to an MSD if care is taken in the setup, a two-way or three-way splitter with makeup gas is strongly recommended for MSD applications.

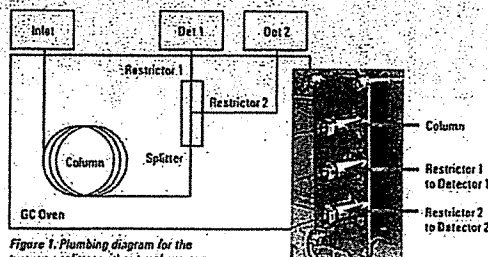


Figure 1. Plumbing diagram for the two-way splitter without makeup gas

Figure 2. Two-way splitter without makeup gas connections

2. Two-way splitter with makeup gas. This splitter uses a source of makeup gas supplied by electronic pneumatics control (EPC). Use of an Aux EPC module maintains the splitter at a known and constant pressure, which allows easier splitting to vacuum detectors such as the MSD. It simplifies the choice of splitter parameters, allowing all aspects of the chromatographic setup to be calculated. Constant pressure makeup allows the column to be run in constant flow mode. At the same time, a constant split ratio is maintained between two detectors of different operating pressures, such as the FPD and the MSD. Because the EPC pressure can be time programmed, useful operations like backflushing unwanted heavy materials from the column and changing columns in MSD systems without venting, are possible.

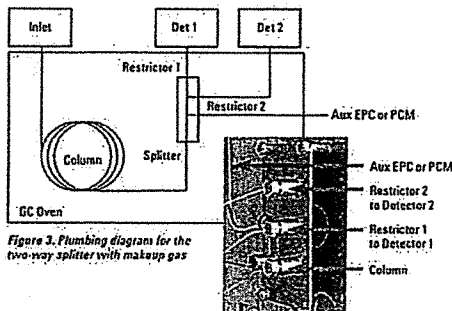


Figure 3. Plumbing diagram for the two-way splitter with makeup gas

Figure 4. Two-way splitter with makeup gas connections

3. Three-way splitter with makeup gas. This splitter operates the same as the two-way splitter with makeup gas, but divides the effluent from a column among three different detectors.

Note: A purged capillary flow device, such as a splitter, introduces an additional flow in the sample stream. For detectors that operate at low flow rates, like the MSD and TCD, some decrease in sensitivity will occur.

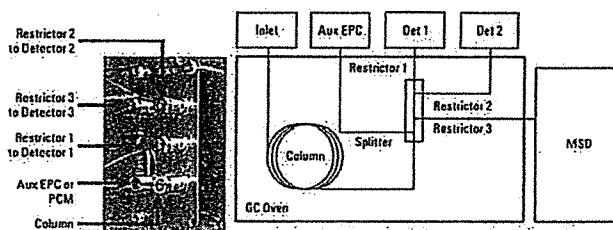


Figure 6. Three-way splitter with makeup gas connections

Figure 5. Plumbing diagram for the three-way splitter with makeup gas

To learn how you can increase productivity in your lab, visit www.agilent.com/chem/CapillaryFlowTechnology

Simultaneously collect data from multiple detectors

Laboratories that perform toxicology screens on forensic samples must rise to the challenge of having to analyze large numbers of samples containing complex matrix interferences. The Agilent system addresses these demands by combining fast GC to reduce the run time; the use of a Capillary Flow Technology splitter to simultaneously collect scan, SIM, and

NPD data; and backflush to prevent heavy matrix components from fouling the detectors; and Deconvolution Reporting Software (DRS) to simplify data interpretation. Total time savings was greater than 85%, not including the time saved by using DRS.

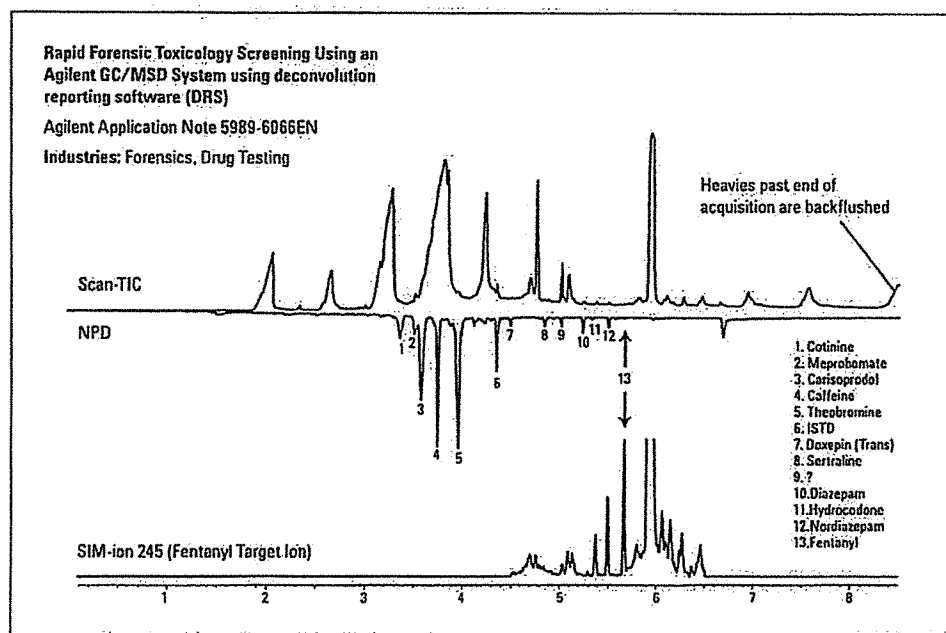
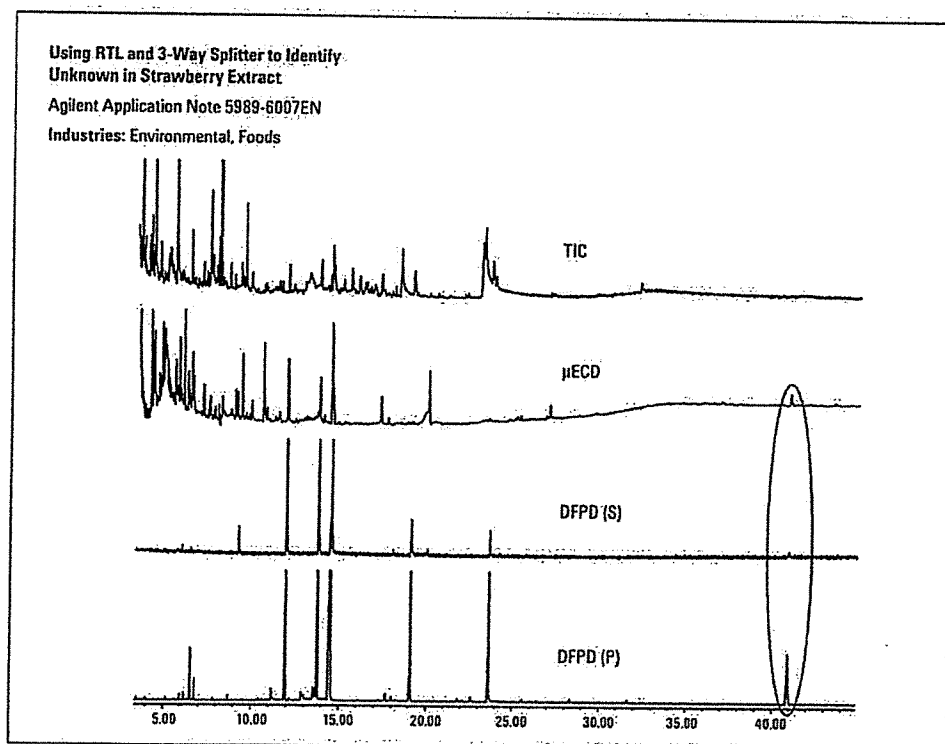


Figure 7. Chromatogram from screen of whole blood sample

Detect unknown trace pesticide residue without full-scan MS

Fruit and vegetable extracts are typically very complex to analyze. It is common to use selective GC detectors, such as NPD, ECD, and FPD, to look for trace pesticide residues in the extracts. Mass spectrometry is most often used to confirm the hits from GC detectors. Figure 8 shows how the column effluent can be split three ways to two GC detectors and an MSD. The splitter system is therefore capable of providing up to four

signals (two GC signals, SIM, and full-scan chromatograms) from a single injection. By combining RTL, element-selective detector chromatograms, and the RTL pesticide database, a trace level pesticide residue was identified without the full-scan mass spectrum.



To learn how you can increase productivity in your lab, visit www.agilent.com/chem/CapillaryFlowTechnology

Backflush reduces sample turnaround time

This example illustrates the use of a two-way splitter with makeup gas to backflush late-eluting impurities and high-boiling solvents/diluents in the analysis of residual solvents by headspace extraction and GC. Along with a faster oven cool-down possible with the 7890 GC, backflushing decreases the sample turnaround time.

Improved Retention Time, Area Repeatability, and Sensitivity for Analysis of Residual Solvents

Agilent Application Note
5989-6079EN

Industries: Pharmaceutical

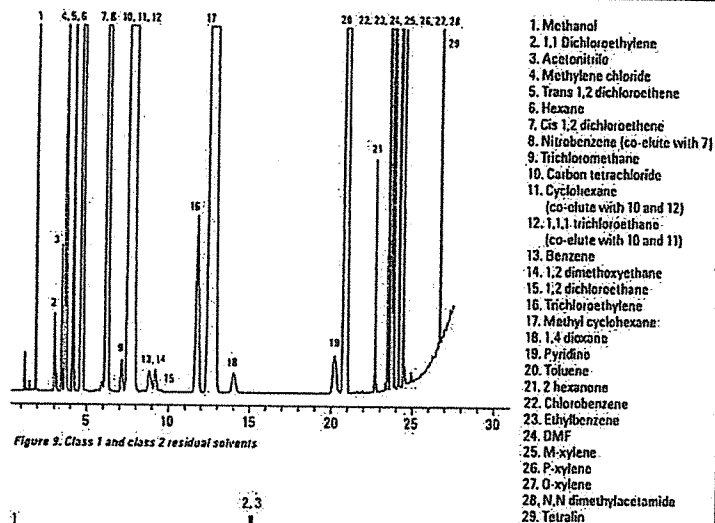


Figure 9. Class 1 and class 2 residual solvents

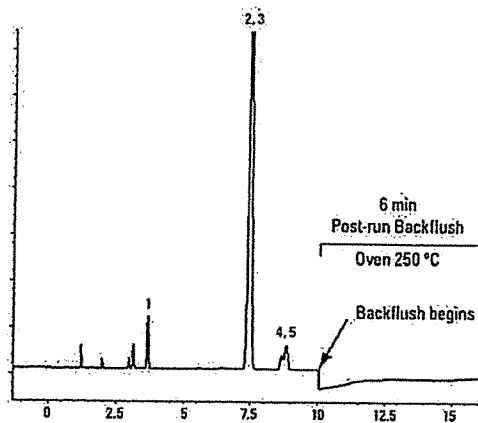


Figure 10. Backflush of class 1 residual solvents

Other uses for a three-way splitter

Think of Capillary Flow Technology modules as flow "building blocks" that can be configured in different ways to accomplish different tasks. For instance:

Two-Way Splitter

By plugging one of the ports, a three-way splitter can be used as a two-way splitter. A typical three-way splitter plumbing configuration is shown in Figure 11.

Figure 12 depicts how the three-way splitter is converted to a two-way splitter. Port 1 is plugged (the plug can be made from a nut and ferrule plus a short length of stainless steel wire included in the splitter kit) and the column is connected to port 2. The two detector restrictors are connected to ports 3 and 4.

Two Different Columns In, Two Detectors Out

Using the setup shown in Figure 13, a method can be used to inject into inlet 1 and column 1 while column 2 is unused. Inlet 2 pressure is set at a low level that produces a small purge flow (at least 0.5 mL/min) through column 2. A second method can reverse the situation, purging column 1 while analyzing with inlet 2 and column 2.

This can be useful for laboratories that frequently need to use columns with different phases. Setup is the same as that for a two-way splitter, except that column flow in the calculations now equals the sum of the flows from columns 1 and 2.

Because the bleed from both columns enters the detectors simultaneously, low-bleed stationary phases should be used in this configuration.

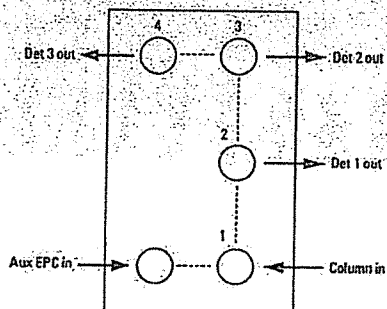


Figure 11. Typical three-way splitter plumbing configuration

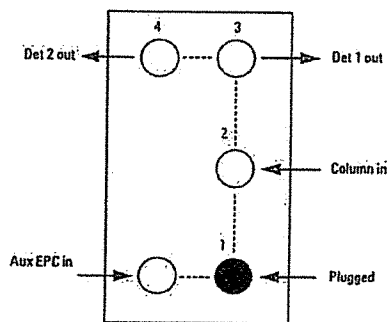


Figure 12. Three-way splitter configured as a two-way splitter

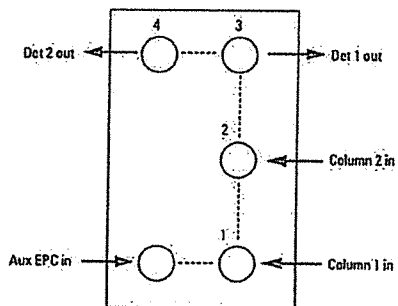
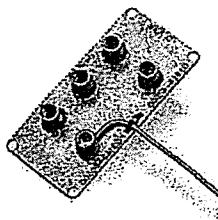


Figure 13. Column 2 is unused

**What you need
to get faster analysis results**



7890 GC or 6890N GC with two or three detectors

Splitter option or accessory

- On-site installation and verification are strongly recommended.

Aux EPC module

- Aux EPC Purge Regulator Kit is recommended.
- PCM can be used in place of Aux EPC but is not recommended for this application.

High-temperature SilTite ferrules and fittings

Deactivated silica tubing for detector restrictors

Splitter calculator software (included with the splitter option and accessory)

- Calculates the restrictor dimensions (internal diameter and length) required to obtain a desired split ratio from the column to the multiple detectors.
- A set of eight typical configurations have been pre-calculated and are available in the operator manual for each of the splitters. They apply to a wide variety of detector combinations and split ratios.

Microsoft® Excel 97 or later

For more information

Read: Agilent G3181B Two-Way Splitter Kit Without Makeup Gas Installation and Operation Guide Agilent Manual, G3181-90120;

Agilent G3180B Two-Way Splitter Kit With Makeup Gas Installation and Operation Guide Agilent Manual, G3180-90120;

Agilent G3183B Three-Way Splitter Kit Installation and Operation Guide; Agilent Manual, G3183-90120

Learn more: www.agilent.com/chem/CapillaryFlowTechnology

Buy online or find an Agilent customer center in your country:

www.agilent.com/chem/contactus

U.S. and Canada: 1-800-227-9770 or agilent_inquiries@agilent.com

Europe: info_agilent@agilent.com

Asia Pacific: adinquiry_aplsca@agilent.com

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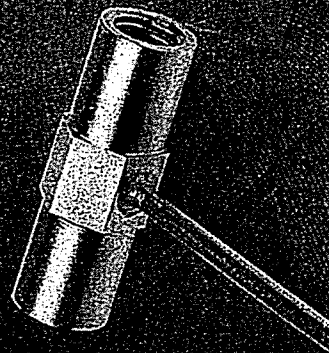
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Capillary Flow Technology: Purged Ultimate Union

**REDUCE DOWNTIME AND INCREASE
YOUR LAB'S PRODUCTIVITY**

The Measure of Confidence



Agilent Technologies

Perform reliable routine maintenance in a matter of minutes, not hours



Routine operation of any GC/MS system typically requires occasional maintenance of the inlet and column. The mass spectrometer must be shut down to cool and vent the system. Once maintenance is complete, the system must be restarted, pumped down, and baked out before samples can be run again, resulting in significant downtime.

Laboratories could benefit from a reliable way to conduct routine maintenance on a GC/MS system without cooling and venting — especially for high-throughput operations. However, previous attempts at designing a suitable quick-maintenance flow system have had a number of drawbacks:

- » Large metal fittings with high thermal mass do not track oven temperatures well
- » Many oven temperature cycles can cause leaks over time, risking damage to the MS source
- » Internal surfaces are not inert, leading to peak broadening or loss of analytes

The Purged Ultimate Union provides an effective solution without the drawbacks

Agilent's Capillary Flow Technology Purged Ultimate Union, sometimes referred to as the pressure-controlled tee (PCT), is designed to provide simple backflush to an existing GC or GC/MS method. It addresses all drawbacks while facilitating:

- Fast column removal or replacement without the need to cool and vent the MSD
- Risk-free inlet and column maintenance by preventing air from entering the MSD
- Shorter analysis times and increased sample throughput by removal of high molecular weight compounds using backflushing mode

How it works...

THE VERSATILITY TO PERFORM CONCURRENT AND POST-RUN BACKFLUSH

Configurations for backflush:

The basic configuration for the Purged Ultimate Union is one inlet (S/SI, MMI or PTV) to one detector. However, it can be used in several backflush configurations.

Post-Column: backflush wizard adjusts conditions to offset change in outlet pressure caused by the source controlling the flow for the short post column.

Coated and Uncoated* Pre-Column: requires two columns with options of two equal lengths connected by purged union at midpoint or the purged union joining a shorter (5 m) first section with a longer (15 m) second section.

Modes for backflush:

Post-run: easiest to configure; backflush occurs after last peak of interest can be implemented.

Concurrent: backflush occurs during data collection, eliminating the need for a post run program, saving time and improving lab productivity.

*Recommended for use only as short retention gaps and not in equal length to the second column.

Simplify maintenance without affecting detection limits

Applying backflushing helps maintain the GC and the MS source by removing later eluting compounds from the column before reaching the MS, and prior to the next sample injection. This example shows the results of the Purged Ultimate Union (PCT) configuration for rapid and universal GC/MS backflushing; applied to selected reaction monitoring. Using a simple PCT configuration, quick column and inlet maintenance can be performed without venting the MS system or hindering detection limits.

Replicate injections showed no statistically significant difference between the peak areas or heights for the 272 & 241 m/z transition (Table 1). Moreover, retention time reproducibility was unaffected by adding PCT, and a standard deviation of less than 0.1 seconds was achieved both with and without the PCT. (Absolute retention times can shift slightly due to a minor difference in the absolute flows and lengths). Signal-to-noise was also indistinguishable between the two configurations, although noise is uniformly low in selected reaction mode. The degree of correspondence is best illustrated in Figure 1.

| GC Configuration | RT Variation (s) | Normalized MRM Signal Area | RSD MRM Signal (%) | Normalized MRM Signal Height | RSD MRM Signal (%) | Normalized MRM S/N |
|-------------------------------|------------------|----------------------------|--------------------|------------------------------|--------------------|--------------------|
| Continuous column without PCT | 0.063 | 1 | 15 | 1 | 15 | 1 |
| With PCT | 0.098 | 1.1 | 15 | 1.0 | 16 | 1.2 |

Table 1. Comparison between PCT and Continuous Column configurations for MRM 272 >241 (OFN). To simplify the comparison, the results for the peak area, height and signal-to-noise (S/N) ratio have been normalized against the standard configuration.

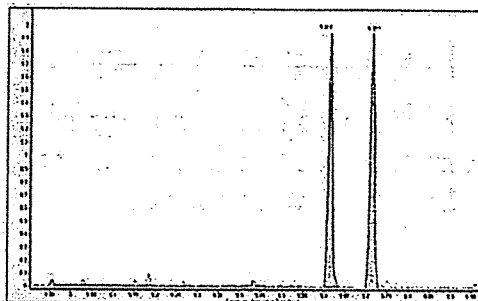


Figure 1. OFN 272 & 241 m/z transition without the PCT (5.614 min) and using the PCT (5.715 min). The same absolute abundance scale is applied to both.

Maintain retention times with backflush and the Purged Ultimate Union

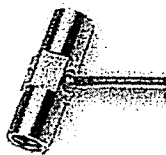
The Pressure Controlled Tee configuration provides a simple approach to rapid backflushing and GC-serving on all MS systems. If retention times can be permanent on any system, complex MS acquisition methods – such as selected ion monitoring and multiple reaction monitoring (MRM) modes – need not be changed when columns are trimmed or replaced. Similarly, compound retention times are unchanged in data analysis, which simplifies identification, quantitation and the use of databases of compound retention times. Applying simple “Mechanical Retention Time Locking” quickly returns the GC/MS to acquisition without method changes or additional complexity (Table 2).

For an example of how to generate compound retention times that are permanent and universal through Retention Time Locking, see Agilent Application Note 5990-4643EN.

| Compound | Retention (s) |
|-------------------------|---------------|
| Dichlorvos | -0.68 |
| Mevinphos | -0.66 |
| Ethoprophos | -0.9 |
| Sulfotep | -0.36 |
| Phorate | -0.96 |
| Fenofos | -0.51 |
| Diazinon | -0.48 |
| Disulfoton | -0.48 |
| Chlorpyrifos Methyl | 0.06 |
| Methyl parathion | -0.78 |
| Fenchlorphos | -0.62 |
| Fenitrothion | -0.42 |
| Malathion | -0.12 |
| Chlorpyrifos | -0.12 |
| Fenthion | -0.36 |
| Tetrachlorvinphos | 0.12 |
| Fenathion | 0 |
| Prothiophos | 0.06 |
| S,S,S-Tributylphosphoro | 0.12 |
| Ethion | 0.48 |
| Sulprofos | 0.18 |
| Carbophenothion | 0.18 |
| EPN | 0.42 |
| Azinphos-methyl | 0.36 |
| Azinphos ethyl | 0.72 |
| Coumaphos | 2.3 |

Table 2. Illustration of selected retention time error results using the purged and non-purged union.

What is required?



7890 GC or 6890N GC with 5977A Series GC/MSD

Purged Ultimate Union accessory

- On-site installation and verification are strongly recommended

Aux EPC module

- Aux EPC Purge Regulator Kit is recommended

High-temperature Siltite ferrules and fittings

- Included with Purged Ultimate Union option and accessory

Restrictor

- 2 each of 100- and 110- μ m id restrictors included with Purged Ultimate Union option and accessory

Flow Calculator or Method Translation Software

- Included with Purged Ultimate Union option and accessory

For more information

Learn more about Agilent's Capillary Flow Technology at
agilent.com/chem/CapillaryFlowTechnology

Buy online or find an Agilent customer center in your country:
agilent.com/chem/contactus

U.S. and Canada: 1-800-227-9770 or agilent_inquiries@agilent.com

Europe: info_agilent@agilent.com

Asia Pacific: adinquiry_aplsca@agilent.com

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Printed in the USA June 10, 2013
5991-1114EN



Agilent Technologies

CORPORATE RESOLUTION

N/A

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

SECRETARY-TREASURER

DATE

Non-Public Works Bid Affidavit Instructions

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF Florida

PARISH/COUNTY OF Palm Beach

BEFORE ME, the undersigned authority, personally came and appeared: _____

Vilma Fermin, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized Order Entry Administrator of Thermo Electron North America LLC (Entity),
the party who submitted a bid in response to Bid Number 50-00113239, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

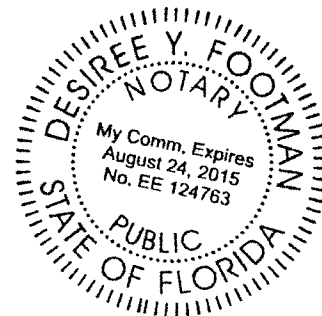
That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Vilma Fermin
Signature of Affiant

Vilma Fermin
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 1st DAY OF June, 2015.

Desiree Y. Footman
Notary Public
Desiree Y. Footman
Printed Name of Notary
EE 124763
Notary/Bar Roll Number



My commission expires 8/24/2015

INSURANCE REQUIREMENTS - BIDS

All insurance requirements shall conform to Jefferson Parish Resolution No. 113646 or No. 113647. The contractor shall not commence work under this contract until he has obtained all insurance and complied with the requirements of the specifications and said Parish Resolutions. Except as otherwise provided by law, the Parish Attorney's Office with the concurrence of the Director of Risk Management is authorized to omit in whole or part the insurance requirements of this section in connection with contracts. Vendors inquiring about this shall submit his written request to the Purchasing Department prior to the due date of the bid. Contractor must deliver and maintain such insurances as provided; failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

Successful bidder will be required to procure standard insurance policies evidencing Parish mandated insurance requirements indicated below. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected.

1. WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

2. COMMERCIAL GENERAL LIABILITY

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

3. COMPREHENSIVE AUTOMOBILE LIABILITY

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.
Property Damage Liability \$1,000,000.00 each occurrence.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

CONSTRUCTION AND RENOVATION PROJECTS:

Unless otherwise specified in the bid, these additional insurance is required. Such insurance is due upon contract execution.

OWNER'S PROTECTIVE LIABILITY

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

NOTE for CERTIFICATE HOLDER:

All insurance certificates shall list the certificate holder as follows:

"The Parish of Jefferson, its Districts, Departments and Agencies under the direction of the Parish President and the Parish Council." Additionally, the address on the Certificates should reflect the department which is letting the bid and reference the respective bid number.

Revised 2.10.2014

Sales Quotation

Thermo Electron North America LLC

| Quote No. | Create Date | Exp. Delivery Time | Page |
|---------------|--------------|-------------------------------|------------|
| 20598407 | 05/28/2015 | 30-45 Days ARO | 1 / 10 |
| Contact Info | Phone No. | Payment Terms | Valid To |
| LARRY BELLAN | 225-921-7263 | NET 30 DAYS UPON INVOICE DATE | 09/30/2015 |
| Inco 1 | Inco 2 | Shipping Method | |
| DEST. PREPAID | | Exped Def 5 Day | |

1400 Northpoint Pkwy Ste 50,
West Palm Beach, FL 33407-1976

Submitted To: 1394153

SIDNEY DUFFY
JEFFERSON PARISH
PURCHASING DEPT
GENERAL GOVERNMENT BLDG STE 4400
REF: BID No 50-00113239
200 DERBIGNY STREET
GRETN LA 70053

REF: BID No 50-00113239
DUE DATE & TIME: 6/2/15 @ 2:00 p.m., local time

To place an order

Contact Info Vilma Fermin
Call: 561-688-8721
Fax: 412-200-6542
eMail: vilma.fermin@thermofisher.com

This order is subject to instructions and Thermo Fisher's terms & conditions on the last page

| Item | Material No. | Description | Qty | Unit Price | Total Price |
|------|--------------|--|------|------------|---------------|
| 10 | ISQELTL | ISQ MASS SPECTROMETER EI LT LARGE TUR ISQ LT Single Quadrupole GC-MS Sales Text | 1 EA | 77,000.00 | 77,000.00 USD |

ISQ LT single quadrupole GC-MS is for high-throughput, analytically-demanding laboratories, requiring utmost sensitivity and unstoppable productivity, the ISQ LT from Thermo Scientific offers the future-proof investment into the Leading Technology, Simply Intelligent GC-MS platform. Unlike other systems, the ISQ LT does not need to be vented to exchange the source, while enjoying industry-best sensitivity, lowest detection limits, and unlimited flexibility.

Electron Impact Ionization (EI), with Full Scan (FS), SIM, and FS/SIM simultaneous within sample injection. Timed acquisition (t-SIM) mode and AutoSIM are included as standard. Optional (not included as standard) chemical ionization, including PCI, NCI, Thermo Scientific PPINICI, and EI/PCI/NCI Combination (requires extended capacity turbomolecular pump). Thermo Scientific ExtractaBrite EI source, with repeller, source lenses, RF lens and dual filaments in all ionization modes, programmable to 350 °C and removable without breaking the vacuum via vacuum interlock (included as standard). Dual-stage mass filter with off-axis S-shaped ion guide for noise reduction and solid, homogeneous, non-coated quadrupole rods. DynaMax XR detection system, with off-axis dynode, discrete dynode electron multiplier and electrometer, linear from 0 to 68 µA. Mass Range 1.2 – 1100.0 u. Ability to acquire more than 240 scans/s in SIM. Ability to acquire more than 97 scans/s in full scan when scanning over a range of 125 u. Extended capacity (300 L/s) turbomolecular pump. Mechanical rotary vane oil pump. Optional (not included as standard) oil-free scroll pump. Electron energy adjustable from 0 eV to 150 eV. Emission current up to 350 µA. Transfer line temperature up to 400 °C. Choice of gas chromatographs to match GC performance to the analytical needs of your lab. Compatible with additional sample introduction techniques, such as thermal desorption, purge and trap, canisters, gas sampling valves, and solid phase microextraction (SPME) as well as with FT-IR, direct sample probes (DEP, DIP), and hydrogen carrier gas.

Promotion % 30,800.00 - USD
Net Value For Item 46,200.00 USD

| | | | | | |
|----|----------|------------------------------|------|-----------|---------------|
| 20 | 14800403 | TRACE 1310 MAINFRAME MS 110V | 1 EA | 10,463.77 | 10,463.77 USD |
|----|----------|------------------------------|------|-----------|---------------|

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| LARRY BELLAN | 225-921-7263 | NET 30 DAYS UPON INVOICE DATE | 09/30/2015 |
| Inco 1 | Inco 2 | Shipping Method | |
| DEST. PREPAID | | Exped Def 5 Day | |

1400 Northpoint Pkwy Ste 50,
West Palm Beach, FL 33407-1976

To place an order

Contact Info Vilma Fermin
Call: 561-688-8721
Fax: 412-200-6542
eMail: vilma.fermin@thermofisher.com

| Item | Material No. | Description | Qty | Unit Price | Total Price |
|------|--------------|-------------|-----|------------|-------------|
|------|--------------|-------------|-----|------------|-------------|

Trace 1310 Mainframe 110V dedicated for MS, includes: "1000-holes" fast GC oven with operating T range ambient +3 to 450°C; optional cooling to -100°C with LN2 or -50°C with CO2; Multiple-level temperature program with 32-ramp/33-plateaux with maximum heating rate of 125°C/min; Cooling down from 450°C to 50°C in less than 4 minutes; Six independent heated zones for individual control of injectors and detectors plus auxiliary zone; LAN interface; USB port; Color touch-screen interface with local status update of the oven, injectors and detectors, maintenance commands, run log, multiple language capabilities and video tutorials

Promotion % 3,139.13 - USD
Net Value For Item 7,324.64 USD

30 19070010 TRACE 1300 SSL INJECTOR MODULE 1 EA 3,036.23 3,036.23 USD

Instantaneously Connected-Split/Splitless Injector module, includes: complete injector with integrated electronic gas control (IEC) featuring constant Flow and Pressure modes, programmable Flow and Pressure modes, Leak check and Column Evaluation; Max T = 400°C; split ratio up to 12500:1; Control of split flow in 1mL/min from 0 to 1250 mL/min; Purge flow from 0 to 50 mL/min (electronic control); Suitable for all capillary columns (50 µm to 530 µm id); Large Volume splitless injection up to 50 µL using specific liners and pre-column; Compatible with 1/8" and 1/16" packed column (using adapters); Supports P&T/TD/.. by special adapter; Compatible with Merlin Microseal® septum

Promotion % 910.87 - USD
Net Value For Item 2,125.36 USD

40 19050760 KIT GC EXHAUST AIR DUCT 1 EA 389.34 389.34 USD
Exhaust air duct for TRACE 1300/1310

Promotion % 38.93 - USD
Net Value For Item 350.41 USD

50 1R120560-0020 OPTION ION GAUGE ISQ/TSQ8000 1 EA 1,730.40 1,730.40 USD
Ion Gauge Option for TSQ 8000

Promotion % 173.04 - USD
Net Value For Item 1,557.36 USD

60 1R120383-2014 NIST 2014 MS Library with RI & MS/MS 1 EA Included
NIST 2014 MS Library (NIST/EPA/NIH Mass Spectral Library Standard)

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Thermo Electron North America LLC

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| Item | Material No. | Description | Qty | Unit Price | Total Price |
|------|--------------|-------------|-----|------------|-------------|
|------|--------------|-------------|-----|------------|-------------|

Reference Database 1A Data Version: NIST 14, Software Version 2.2g) includes NIST 2014 MS/MS and NIST 2014 RI. Contains 276,248 EI spectra for 242,466 compounds in the main library (mianlib) and additional 33,782 replicate spectra (replib). GC Methods and Kováts Retention Time Indices Database for 82,868 compounds (nist_ri); 56,216 compounds in (mainlib) have Kováts retention index data. NIST 2014 Tandem (MS/MS) Database (nist_msms and nist_msms2) contains 234,284 spectra of 45,298 ions of 9,345 compounds. Includes NIST MS Search Program for Windows v. 2.2g (32-bit Unicode program requires Windows XP, Vista, or Windows 7, 8, or 8.1); An Automated MS Deconvolution and Identification System (AMDIS) v. 2.72; MS Interpreter v. 2.0. Total installed size is approximately 1,5 GB. AMDIS GC-MS deconvolution software extracts the spectrum of each component in a mixture analyzed by GC-MS and identifies target compounds. With the support of the Defense Special Weapons Agency (DOD), it was developed at the National Institute of Standards and Technology (NIST) for the critical task of verifying a major international treaty, the Chemical Weapons Convention. AMDIS can make use of the NIST database software if it is present, but it does not require the database software. AMDIS stand-alone software is also available as free download on NIST web site.

| | | | | | | |
|-----|------------|--|------|--------------------|-----------|-------|
| 70 | 25117590 | AS1310 155 FOR TRC1300 S | 1 EA | 8,986.20 | 8,986.20 | USD |
| | | AS 1310 with 155 sample tray for TRACE 1300 Series GC (for stand alone; ISQ, TSQ8000 and ITQ configurations) | | | | |
| | | | | Promotion % | 1,797.24 | - USD |
| | | | | Net Value For Item | 7,188.96 | USD |
| 80 | 76472-0201 | STRATUM P&T CONCENTRATOR, 115V | 1 EA | 17,812.82 | 17,812.82 | USD |
| | | | | Promotion % | 1,781.28 | - USD |
| | | | | Net Value For Item | 16,031.54 | USD |
| 90 | 76472-0251 | STRATUM INSTALLATION KIT | 1 EA | 194.67 | 194.67 | USD |
| | | | | Promotion % | 19.47 | - USD |
| | | | | Net Value For Item | 175.20 | USD |
| 100 | 76472-0254 | TRACE GC ULTRA INTERFACE CABLE | 1 EA | 267.80 | 267.80 | USD |
| | | | | Promotion % | 26.78 | - USD |
| | | | | Net Value For Item | 241.02 | USD |

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Sales Quotation

Thermo Electron North America LLC

| Quote No. | Create Date | Exp. Delivery Time | Page |
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| Contact Info | Phone No. | Payment Terms | Valid To |
| LARRY BELLAN | 225-921-7263 | NET 30 DAYS UPON INVOICE DATE | 09/30/2015 |
| Inco 1 | Inco 2 | Shipping Method | |
| DEST. PREPAID | | Exped Def 5 Day | |

1400 Northpoint Pkwy Ste 50,
West Palm Beach, FL 33407-1976

To place an order

Contact Info Vilma Fermin
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eMail: vilma.fermin@thermofisher.com

| Item | Material No. | Description | Qty | Unit Price | Total Price |
|------|--------------|-------------|-----|------------|-------------|
|------|--------------|-------------|-----|------------|-------------|

| | | | | | |
|-----|----------|---|------|----------|--------------|
| 110 | 19050730 | P&T ADAPTER KITS, TRC1300 | 1 EA | 1,019.70 | 1,019.70 USD |
| | | Purge and Trap interface kit for SSL injector | | | |

| | |
|--------------------|--------------|
| Promotion % | 101.97 - USD |
| Net Value For Item | 917.73 USD |

| | | | | | |
|-----|----------|-----------------------------------|------|-------|-----------|
| 120 | 260RG497 | Retention Gap Kit (ID 0.1-0.32mm) | 1 EA | 74.55 | 74.55 USD |
|-----|----------|-----------------------------------|------|-------|-----------|

| | | | | | |
|-----|-------------------|----------------------|------|------|----------|
| 130 | OPTON-30126-PROMO | TRACEFINDER GQ PROMO | 1 EA | 0.01 | 0.01 USD |
|-----|-------------------|----------------------|------|------|----------|

Thermo Scientific TraceFinder 3.1 General Quan is a GC-MS software designed for the acquisition, analysis, processing and reporting of high-throughput quantitative assays across general application areas and analysis types.
Supplied MEDIALESS.
A wide selection of pre-configured reports allows to easily report data in a style that suits your lab's needs, plus customizable reports allow to tailor reports for your specific applications. Generate reports in real time during sample acquisition, or review and report data through the intuitive Data Review screen.
~ Easy Navigation. A dashboard guides users in their activities to move quickly to the desired mode. Configure and customize the application, develop and create methods, run daily production batches, review data, and generate reports. Optional user roles allow to control access to program settings and functions based on the user's job types. This allows simplified routine workflows and protects methods and data from inadvertent changes.
~ Optimized Data Review. The TraceFinder Data Review environment is designed to simplify reviewing complex data sets by incorporating easy-to-interpret flags. These flags can highlight data that fall outside of your QC or acceptance criteria, allowing to easily spot and correct any issues.
~ Active Reporting. Where the TraceFinder software packages truly redefine workflows is with a revolutionary approach to data review and reporting. Through powerful Smart Reporting, data review and data reporting are dynamically linked in Active View, allowing for real-time changes to the reports based on changes to the data. Any changes to data are immediately reflected in the report – no reprocessing, no reanalyzing the data. Manual integrations are flagged for auditing purposes, so a record is kept of the changes made to the batch. TraceFinder offers the ability to use custom reporting. These custom reports can be automated at a batch or sample level, using the same processes as the integrated standard reports.
~ For today's environmental and food safety labs, balancing high productivity and sample throughput with stringent quality controls means that the data review process is typically a bottleneck in moving from sample to report. TraceFinder supports common workflows for these laboratories, such as continuing calibrations, ion ratio confirmation, and reported results based on measured sample weights. Because reviewing

These commodities, technology or software are being exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

Sales Quotation

Thermo Electron North America LLC

1400 Northpoint Pkwy Ste 50,
West Palm Beach, FL 33407-1976

| Quote No. | Create Date | Exp. Delivery Time | Page |
|---------------|--------------|-------------------------------|------------|
| 20598407 | 05/28/2015 | 30-45 Days ARO | 5 / 10 |
| Contact Info | Phone No. | Payment Terms | Valid To |
| LARRY BELLAN | 225-921-7263 | NET 30 DAYS UPON INVOICE DATE | 09/30/2015 |
| Inco 1 | Inco 2 | Shipping Method | |
| DEST. PREPAID | | Exped Def 5 Day | |

To place an order

Contact Info Vilma Fermin
Call: 561-688-8721
Fax: 412-200-6542
eMail: vilma.fermin@thermofisher.com

| Item | Material No. | Description | Qty | Unit Price | Total Price |
|------|--------------|-------------|-----|------------|-------------|
|------|--------------|-------------|-----|------------|-------------|

complex data sets can be very time-consuming, Smart Reporting streamlines this task. Simply double-click out of range or questionable results, review and fix if possible, and you're done. Manual integrations are flagged for auditing purposes, and reports are ready to approve and print. Enhanced tools for tentatively identified compounds are included in TraceFinder General Quan.
~ For General Quantitation. For Environmental and Food Safety applications, please order TraceFinder EFS, for other special applications order TraceFinder Clinical Research or TraceFinder Forensic Toxicology.

| | | | | | |
|-----|----------------|---|------|--------------------|----------------|
| 140 | 00825-01-00024 | ETHERNET SWITCH,5PORT,10T/100TX,100-24 | 1 EA | 270.00 | 270.00 USD |
| | | | | Promotion % | 27.00 - USD |
| | | | | Net Value For Item | 243.00 USD |
| 150 | 1R76505-0036 | OIL MIST FILTER w/NW25 ADAPTER/CLAMP | 1 EA | 155.00 | 155.00 USD |
| | | Oil Mist Filter with MW25 Adaptor/Clamp | | | |
| | | | | Promotion % | 15.50 - USD |
| | | | | Net Value For Item | 139.50 USD |
| 160 | 701-526800 | ADD 1 PM PLAN - TRACE DSQ II | 1 EA | 3,876.00 | 3,876.00 USD |
| | | ADD 1 PM Plan - TRACE DSQ II | | | |
| | | | | Service contract % | 1,162.80 - USD |
| | | | | Net Value For Item | 2,713.20 USD |
| 170 | 701-085401 | EXTENDED WARRANTY ISQELTL W/GC | 2 EA | 8,409.00 | 16,818.00 USD |
| | | Promotional Extended Warranty for ISQ | | | |
| | | ~ Unlimited number of demand on-site service visits with a maximum 72-hour response | | | |
| | | ~ Engineer labor and travel is included | | | |
| | | ~ Priority status for technical support inquiries | | | |
| | | ~ One (1) Scheduled Preventative Maintenance visit | | | |
| | | ~ Kit of basic consumables required for routine Preventive Maintenance | | | |
| | | ~ Thermo Scientific supplied personal computers are covered | | | |
| | | ~ Factory-certified replacement parts included | | | |
| | | ~ Software updates and notifications | | | |
| | | ~ 10% discount on Institute based or on-site Trainings purchased during the contract validity period. Application or method development courses are excluded. | | | |

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West Palm Beach, FL 33407-1976

| Quote No. | Create Date | Exp. Delivery Time | Page |
|---------------|--------------|-------------------------------|------------|
| 20598407 | 05/28/2015 | 30-45 Days ARO | 6 / 10 |
| Contact Info | Phone No. | Payment Terms | Valid To |
| LARRY BELLAN | 225-921-7263 | NET 30 DAYS UPON INVOICE DATE | 09/30/2015 |
| Inco 1 | Inco 2 | Shipping Method | |
| DEST. PREPAID | | Exped Def 5 Day | |

To place an order

Contact Info Vilma Fermin
Call: 561-688-8721
Fax: 412-200-6542
eMail: vilma.fermin@thermofisher.com

| Item | Material No. | Description | Qty | Unit Price | Total Price |
|------|--------------|-------------|-----|------------|-------------|
|------|--------------|-------------|-----|------------|-------------|

Service contract % 5,045.40 - USD
Net Value For Item 11,772.60 USD

180 701-935600 OPTION: AS 1310 SUPPORT COVERAGE 2 EA 918.00 1,836.00 USD
Optional Support Coverage: AI 1310 Support

Service contract % 550.80 - USD
Net Value For Item 1,285.20 USD

190 701-476300 EX WAR PLAN - TEKMAR P & T L 2 EA 2,585.00 5,170.00 USD
EX WAR Plan - Tekmar P&T

Service contract % 1,551.00 - USD
Net Value For Item 3,619.00 USD

200 701-628000 ONSITE GC/MS APPLICATIONS SUPPORT 1 EA 2,200.00 2,200.00 USD
Onsite GC/MS Applications Support- 3 DAYS

~ This service will provide the customer with onsite applications support and assist with transferring analytical methods from their existing instrumentation to a TFS GC/MS (Single Quad or Ion Trap) product.
~ The number of days of support will be predetermined prior to quoting and requires pre-approval of a Regional Sales Manager and Applications Support Manager.

Important note:
~ This is not a formal training course and should not be substituted for any training course currently offered by TFS.
~ A prerequisite will be that the customer has prior GC/MS experience and/or has experience with the TFS GC/MS product.
~ It is also strongly recommended that the customer has completed one of the formal GC/MS training programs offered by TFS.

Total 104,159.28 USD

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| 20598407 | 05/28/2015 | 30-45 Days ARO | 7 / 10 |
| Contact Info | Phone No. | Payment Terms | Valid To |
| LARRY BELLAN | 225-921-7263 | NET 30 DAYS UPON INVOICE DATE | 09/30/2015 |
| Inco 1 | Inco 2 | Shipping Method | |
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To place an order

Contact Info Vilma Fermin
Call: 561-688-8721
Fax: 412-200-6542
eMail: vilma.fermin@thermofisher.com

| Item | Material No. | Description | Qty | Unit Price | Total Price |
|------|--------------|-------------|-----|------------|-------------|
|------|--------------|-------------|-----|------------|-------------|

In the event of a conflict between any of the Thermo Electron North America LLC terms and conditions and those contained in the Jefferson Parrish Bid number 50-00113239 terms and conditions of purchase , the terms of Thermo Electron North America shall prevail. Thermo Electron also agrees to be bound by the laws of the State of Louisiana. We would like to negotiate mutually acceptable terms.

These commodities, technology or software are being exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

THERMO ELECTRON NORTH AMERICA LLC TERMS AND CONDITIONS OF SALE
UNLESS OTHERWISE EXPRESSLY AGREED IN WRITING, ALL SALES ARE SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

1. **GENERAL.** THERMO ELECTRON NORTH AMERICA LLC ("Seller") hereby offers for sale to the buyer named on the face hereof ("Buyer") the products listed on the face hereof (the "Products") on the express condition that Buyer agrees to accept and be bound by the terms and conditions set forth herein. Any provisions contained in any document issued by Buyer are expressly rejected and if the terms and conditions in this Agreement differ from the terms of Buyer's offer, this document shall be construed as a counter offer and shall not be effective as an acceptance of Buyer's document. Buyer's receipt of Products or Seller's commencement of the services provided hereunder will constitute Buyer's acceptance of this Agreement. This is the complete and exclusive statement of the contract between Seller and Buyer with respect to Buyer's purchase of the Products. No waiver, consent, modification, amendment or change of the terms contained herein shall be binding unless in writing and signed by Seller and Buyer. Seller's failure to object to terms contained in any subsequent communication from Buyer will not be a waiver or modification of the terms set forth herein. All orders are subject to acceptance in writing by an authorized representative of Seller.
2. **PRICE.** All prices published by Seller or quoted by Seller's representatives may be changed at any time without notice. All prices quoted by Seller or Seller's representatives are valid for thirty (30) days, unless otherwise stated in writing. All prices for the Products will be as specified by Seller or, if no price has been specified or quoted, will be Seller's price in effect at the time of shipment. All prices are subject to adjustment on account of specifications, quantities, raw materials, cost of production, shipment arrangements or other terms or conditions which are not part of Seller's original price quotation.
3. **TAXES AND OTHER CHARGES.** Prices for the Products exclude all sales, value added and other taxes and duties imposed with respect to the sale, delivery, or use of any Products covered hereby, all of which taxes and duties must be paid by Buyer. If Buyer claims any exemption, Buyer must provide a valid, signed certificate or letter of exemption for each respective jurisdiction.
4. **TERMS OF PAYMENT.** Seller may invoice Buyer upon shipment for the price and all other charges payable by Buyer in accordance with the terms on the face hereof. If no payment terms are stated on the face hereof, payment shall be net thirty (30) days from the date of invoice. If Buyer fails to pay any amounts when due, Buyer shall pay Seller interest thereon at a periodic rate of one and one-half percent (1.5%) per month (or, if lower, the highest rate permitted by law), together with all costs and expenses (including without limitation reasonable attorneys' fees and disbursements and court costs) incurred by Seller in collecting such overdue amounts or otherwise enforcing Seller's rights hereunder. Seller reserves the right to require from Buyer full or partial payment in advance, or other security that is satisfactory to Seller, at any time that Seller believes in good faith that Buyer's financial condition does not justify the terms of payment specified. All payments shall be made in U.S. Dollars.
5. **DELIVERY; CANCELLATION OR CHANGES BY BUYER.** The Products will be shipped to the destination specified by Buyer, F.O.B. Seller's shipping point. Seller will have the right, at its election, to make partial shipments of the Products and to invoice each shipment separately. Seller reserves the right to stop delivery of Products in transit and to withhold shipments in whole or in part if Buyer fails to make any payment to Seller when due or otherwise fails to perform its obligations hereunder. All shipping dates are approximate only, and Seller will not be liable for any loss or damage resulting from any delay in delivery or failure to deliver which is due to any cause beyond Seller's reasonable control. In the event of a delay due to any cause beyond Seller's reasonable control, Seller reserves the right to terminate the order or to reschedule the shipment within a reasonable period of time, and Buyer will not be entitled to refuse delivery or otherwise be relieved of any obligations as the result of such delay. Products as to which delivery is delayed due to any cause within Buyer's control may be placed in storage by Seller at Buyer's risk and expense and for Buyer's account. Orders in process may be canceled only with Seller's written consent and upon payment of Seller's cancellation charges. Orders in process may not be changed except with Seller's written consent and upon agreement by the parties as to an appropriate adjustment in the purchase price therefor. Credit will not be allowed for Products returned without the prior written consent of Seller.
6. **TITLE AND RISK OF LOSS.** Notwithstanding the trade terms indicated above and subject to Seller's right to stop delivery of Products in transit, title to and risk of loss of the Products will pass to Buyer upon delivery of possession of the Products by Seller to the carrier; provided, however, that title to any software incorporated within or forming a part of the Products shall at all times remain with Seller or the licensor(s) thereof, as the case may be.
7. **WARRANTY.** Seller warrants that the Products will operate or perform substantially in conformance with Seller's published specifications and be free from defects in material and workmanship, when subjected to normal, proper and intended usage by properly trained personnel, for the period of time set forth in the product documentation, published specifications or package inserts. If a period of time is not specified in Seller's product documentation, published specifications or package inserts, the warranty period shall be one (1) year from the date of shipment to Buyer for equipment and ninety (90) days for all other products (the "Warranty Period"). Seller agrees during the Warranty Period, to repair or replace, at Seller's option, defective Products so as to cause the same to operate in substantial conformance with said published specifications; provided that Buyer shall (a) promptly notify Seller in writing upon the discovery of any defect, which notice shall include the product model and serial number (if applicable) and details of the warranty claim; and (b) after Seller's review, Seller will provide Buyer with service data and/or a Return Material Authorization ("RMA"), which may include biohazard decontamination procedures and other product-specific handling instructions, then, if applicable, Buyer may return the defective Products to Seller with all costs prepaid by Buyer. Replacement parts may be new or refurbished, at the election of Seller. All replaced parts shall become the property of Seller. Shipment to Buyer of repaired or replacement Products shall be made in accordance with the Delivery provisions of the Seller's Terms and Conditions of Sale. Consumables are expressly excluded from this warranty.

Notwithstanding the foregoing, Products supplied by Seller that are obtained by Seller from an original manufacturer or third party supplier are not warranted by Seller, but Seller agrees to assign to Buyer any warranty rights in such Product that Seller may have from the original manufacturer or third party supplier, to the extent such assignment is allowed by such original manufacturer or third party supplier.

In no event shall Seller have any obligation to make repairs, replacements or corrections required, in whole or in part, as the result of (i) normal wear and tear, (ii) accident, disaster or event of force majeure, (iii) misuse, fault or negligence of or by Buyer, (iv) use of the Products in a manner for which they were not designed, (v) causes external to the Products such as, but not limited to, power failure or electrical power surges, (vi) improper storage and handling of the Products or (vii) use of the Products in combination with equipment or software not supplied by Seller. If Seller determines that Products for which Buyer has requested warranty services are not covered by the warranty hereunder, Buyer shall pay or reimburse Seller for all costs of investigating and responding to such request at Seller's then prevailing time and materials rates. If Seller provides repair services or replacement parts that are not covered by this warranty, Buyer shall pay Seller therefor at Seller's then prevailing time and materials rates. ANY INSTALLATION, MAINTENANCE, REPAIR, SERVICE, RELOCATION OR ALTERATION TO OR OF, OR OTHER TAMPERING WITH, THE PRODUCTS PERFORMED BY ANY PERSON OR ENTITY OTHER THAN SELLER WITHOUT SELLER'S PRIOR WRITTEN APPROVAL, OR ANY USE OF REPLACEMENT PARTS NOT SUPPLIED BY SELLER, SHALL IMMEDIATELY VOID AND CANCEL ALL WARRANTIES WITH RESPECT TO THE AFFECTED PRODUCTS.

THE OBLIGATIONS CREATED BY THIS WARRANTY STATEMENT TO REPAIR OR REPLACE A DEFECTIVE PRODUCT SHALL BE THE SOLE REMEDY OF BUYER IN THE EVENT OF A DEFECTIVE PRODUCT. EXCEPT AS EXPRESSLY PROVIDED IN THIS WARRANTY STATEMENT, SELLER DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, ORAL OR WRITTEN, WITH RESPECT TO THE PRODUCTS, INCLUDING WITHOUT LIMITATION ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. SELLER DOES NOT WARRANT THAT THE PRODUCTS ARE ERROR-FREE OR WILL ACCOMPLISH ANY PARTICULAR RESULT.

8. **INDEMNIFICATION.**

8.1 By Seller. Seller agrees to indemnify, defend and save Buyer, its officer, directors, and employees from and against any and all damages, liabilities, actions, causes of action, suits, claims, demands, losses, costs and expenses (including without limitation reasonable attorney's fees) ("Indemnified Items") for (i) injury to or death of persons or damage to property to the extent caused by the negligence or willful misconduct of Seller, its employees, agents or representatives or contractors in connection with the performance of services at Buyer's premises under this Agreement and (ii) claims that a Product infringes any valid United States patent, copyright or trade secret; provided, however, Seller shall have no liability under this Section to the extent any such Indemnified Items are caused by either (i) the negligence or willful misconduct of Buyer, its employees, agents or representatives or contractors, (ii) by any third party, (iii) use of a Product in combination with equipment or software not supplied by Seller where the Product would not itself be infringing, (iv) compliance with Buyer's designs, specifications or instructions, (v) use of the Product in an application or environment for which it was not designed or (vi) modifications of the Product by anyone other than Seller without Seller's prior written approval. Buyer shall provide Seller prompt written notice of any third party claim covered by Seller's indemnification obligations hereunder. Seller shall have the right to assume exclusive control of the defense of such claim or, at the option of the Seller, to settle the same. Buyer agrees to cooperate reasonably with Seller in connection with the performance by Seller of its obligations in this Section.

Notwithstanding the above, Seller's infringement related indemnification obligations shall be extinguished and relieved if Seller, at its discretion and at its own expense (a) procures for Buyer the right, at no additional expense to Buyer, to continue using the Product; (b) replaces or modifies the Product so that it becomes non-infringing, provided the modification or replacement does not adversely affect the specifications of the Product; or (c) in the event (a) and (b) are not practical, refund to Buyer the amortized amounts paid by Buyer with respect thereto, based on a five (5) year amortization schedule. THE FOREGOING INDEMNIFICATION PROVISION STATES SELLER'S ENTIRE LIABILITY TO BUYER FOR THE CLAIMS DESCRIBED HEREIN.

THERMO ELECTRON NORTH AMERICA LLC TERMS AND CONDITIONS OF SALE

8.2 By Buyer. Buyer shall indemnify, defend with competent and experienced counsel and hold harmless Seller, its parent, subsidiaries, affiliates and divisions, and their respective officers, directors, shareholders and employees, from and against any and all damages, liabilities, actions, causes of action, suits, claims, demands, losses, costs and expenses (including without limitation reasonable attorneys' fees and disbursements and court costs) to the extent arising from or in connection with (i) the negligence or willful misconduct of Buyer, its agents, employees, representatives or contractors; (ii) use of a Product in combination with equipment or software not supplied by Seller where the Product itself would not be infringing; (iii) Seller's compliance with designs, specifications or instructions supplied to Seller by Buyer; (iv) use of a Product in an application or environment for which it was not designed; or (v) modifications of a Product by anyone other than Seller without Seller's prior written approval.

9. SOFTWARE. With respect to any software products incorporated in or forming a part of the Products hereunder, Seller and Buyer intend and agree that such software products are being licensed and not sold, and that the words "purchase", "sell" or similar or derivative words are understood and agreed to mean "license", and that the word "Buyer" or similar or derivative words are understood and agreed to mean "licensee". Notwithstanding anything to the contrary contained herein, Seller or its licensor, as the case may be, retains all rights and interest in software products provided hereunder.

Seller hereby grants to Buyer a royalty-free, non-exclusive, nontransferable license, without power to sublicense, to use software provided hereunder solely for Buyer's own internal business purposes on the hardware products provided hereunder and to use the related documentation solely for Buyer's own internal business purposes. This license terminates when Buyer's lawful possession of the hardware products provided hereunder ceases, unless earlier terminated as provided herein. Buyer agrees to hold in confidence and not to sell, transfer, license, loan or otherwise make available in any form to third parties the software products and related documentation provided hereunder. Buyer may not disassemble, decompile or reverse engineer, copy, modify, enhance or otherwise change or supplement the software products provided hereunder without Seller's prior written consent. Seller will be entitled to terminate this license if Buyer fails to comply with any term or condition herein. Buyer agrees, upon termination of this license, immediately to return to Seller all software products and related documentation provided hereunder and all copies and portions thereof.

Certain of the software products provided by Seller may be owned by one or more third parties and licensed to Seller. Accordingly, Seller and Buyer agree that such third parties retain ownership of and title to such software products. The warranty and indemnification provisions set forth herein shall not apply to software products owned by third parties and provided hereunder.

10. LIMITATION OF LIABILITY. NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, THE LIABILITY OF SELLER UNDER THESE TERMS AND CONDITIONS (WHETHER BY REASON OF BREACH OF CONTRACT, TORT, INDEMNIFICATION, OR OTHERWISE, BUT EXCLUDING LIABILITY OF SELLER FOR BREACH OF WARRANTY (THE SOLE REMEDY FOR WHICH SHALL BE AS PROVIDED UNDER SECTION 7 ABOVE)) SHALL NOT EXCEED AN AMOUNT EQUAL TO THE LESSER OF (A) THE TOTAL PURCHASE PRICE THERETOFORE PAID BY BUYER TO SELLER WITH RESPECT TO THE PRODUCT(S) GIVING RISE TO SUCH LIABILITY OR (B) ONE MILLION DOLLARS (\$1,000,000). NOTWITHSTANDING ANYTHING TO THE CONTRARY CONTAINED HEREIN, IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING WITHOUT LIMITATION DAMAGES FOR LOSS OF USE OF FACILITIES OR EQUIPMENT, LOSS OF REVENUE, LOSS OF DATA, LOSS OF PROFITS OR LOSS OF GOODWILL), REGARDLESS OF WHETHER SELLER (a) HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES OR (b) IS NEGLIGENT.

11. EXPORT RESTRICTIONS. Buyer acknowledges that each Product and any related software and technology, including technical information supplied by Seller or contained in documents (collectively "Items"), is subject to export controls of the U.S. government. The export controls may include, but are not limited to, those of the Export Administration Regulations of the U.S. Department of Commerce (the "EAR"), which may restrict or require licenses for the export of Items from the United States and their re-export from other countries. Buyer shall comply with the EAR and all other applicable laws, regulations, laws, treaties, and agreements relating to the export, re-export, and import of any Item. Buyer shall not, without first obtaining the required license to do so from the appropriate U.S. government agency; (i) export or re-export any Item, or (ii) export, re-export, distribute or supply any Item to any restricted or embargoed country or to a person or entity whose privilege to participate in exports has been denied or restricted by the U.S. government. Buyer shall, if requested by Seller, provide information on the end user and end use of any Item exported or to be exported by Buyer. Buyer shall cooperate fully with Seller in any official or unofficial audit or inspection related to applicable export or import control laws or regulations, and shall indemnify and hold Seller harmless from, or in connection with, any violation of this Section by Buyer or its employees, consultants, or agents.

12. MISCELLANEOUS. (a) Buyer may not delegate any duties nor assign any rights or claims hereunder without Seller's prior written consent, and any such attempted delegation or assignment shall be void. (b) The rights and obligations of the parties hereunder shall be governed by and construed in accordance with the laws of the State of Seller's manufacturing location, without reference to its choice of law provisions. Each party hereby irrevocably consents to the exclusive jurisdiction of the state and federal courts located in the county and state of Seller's manufacturing location, in any action arising out of or relating to this Agreement and waives any other venue to which it may be entitled by domicile or otherwise. (c) In the event of any legal proceeding between the Seller and Buyer relating to this Agreement, neither party may claim the right to a trial by jury, and both parties waive any right they may have under applicable law or otherwise to a right to a trial by jury. Any action arising under this Agreement must be brought within one (1) year from the date that the cause of action arose. (d) The application to this Agreement of the U.N. Convention on Contracts for the International Sale of Goods is hereby expressly excluded. (e) In the event that any one or more provisions contained herein shall be held by a court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions contained herein shall remain in full force and effect, unless the revision materially changes the bargain. (f) Seller's failure to enforce, or Seller's waiver of a breach of, any provision contained herein shall not constitute a waiver of any other breach or of such provision. (g) Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to humans or animals. (h) Buyer agrees that all pricing, discounts and technical information that Seller provides to Buyer are the confidential and proprietary information of Seller. Buyer agrees to (1) keep such information confidential and not disclose such information to any third party, and (2) use such information solely for Buyer's internal purposes and in connection with the Products supplied hereunder. Nothing herein shall restrict the use of information available to the general public. (i) Any notice or communication required or permitted hereunder shall be in writing and shall be deemed received when personally delivered or three (3) business days after being sent by certified mail, postage prepaid, to a party at the address specified herein or at such other address as either party may from time to time designate to the other.

To place your order and expedite shipment, please 1) sign and date this quotation below; and 2) fax or e-mail it along with your Purchase Order to one of the addresses below.

Please note-all Purchase Orders must show the vendor name of Thermo Electron North America LLC:

Thermo Electron North America LLC
5225 Verona Road
Madison, WI 53711

Thermo Electron North America LLC
1400 Northpoint Parkway, Ste 10
West Palm Beach, FL 33407

Complete System Orders:

Fax: 412-200-6542

e-mail: usmadorderprocessing@thermofisher.com

Parts or Service Orders:

Fax: 877-680-2565

e-mail: USMAD.ServiceOE.PO@thermofisher.com

Notes:

- A.) Items marked with an asterisk (*) on the face of the quotation are non-Thermo Electron North America LLC products.
- B.) Prices, warranty, installation and service on the items quoted herein are available only in the United States and may not be otherwise assigned.
- C.) Tax exemption certificates or direct pay permits must be provided with the order documents, if applicable. If tax exemption documentation is not provided, buyer shall pay federal, state & local taxes in addition to the price stated on this quotation.
- D.) Buyer shall not export or re-export technical data or products supplied by Thermo Electron North America LLC in violation of applicable export regulation. Buyer who exports from the U.S. products purchased hereunder assumes all responsibility for obtaining required export documentation, authorization, and payment of all applicable fees.

As an authorized representative of the Buyer, your signature below creates an agreement to buy the products and services listed herein and your acceptance of the Seller's Standard Terms and Conditions of Sale included herein as the sole and exclusive terms for your purchase.

Buyer Signature

Date

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
Thermo Electron North America, LLC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification; check only one of the following seven boxes:
☐ Individual/sole proprietor or single-member LLC
☒ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ **C**
Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.
☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
Exempt payee code (if any)
Exemption from FATCA reporting code (if any)
(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.)
1400 Northpoint Parkway, Suite 10

6 City, state, and ZIP code
West Palm Beach, FL 33407

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

| Social security number | | | | | | | | |
|------------------------|--|--|---|--|--|--|--|--|
| | | | - | | | | | |

or

| Employer identification number | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|-----|
| 4 | 3 | - | 1 | 9 | 9 | 2 | 2 | 0 1 |

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here Signature of U.S. person ▶ *Susan Knappe* Date ▶ *Jan. 1, 2015*

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.
Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

Business Entity Detail

Data is updated to the California Business Search on Wednesday and Saturday mornings. Results reflect work processed through Tuesday, June 02, 2015. Please refer to Processing Times for the received dates of filings currently being processed. The data provided is not a complete or certified record of an entity.

| | |
|-------------------------------|----------------------|
| Entity Name: | QA GROUP, LLC |
| Entity Number: | 200121810060 |
| Date Filed: | 08/01/2001 |
| Status: | ACTIVE |
| Jurisdiction: | DELAWARE |
| Entity Address: | 3400 E THIRD AVE |
| Entity City, State, Zip: | FOSTER CITY CA 94404 |
| Agent for Service of Process: | GERARD FARREN |
| Agent Address: | 3400 E THIRD AVE |
| Agent City, State, Zip: | FOSTER CITY CA 94404 |

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to Name Availability.
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to Information Requests.
- For help with searching an entity name, refer to Search Tips.
- For descriptions of the various fields and status types, refer to Field Descriptions and Status Definitions.

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Business Entity Detail

Data is updated to the California Business Search on Wednesday and Saturday mornings. Results reflect work processed through Tuesday, June 02, 2015. Please refer to Processing Times for the received dates of filings currently being processed. The data provided is not a complete or certified record of an entity.

| | |
|-------------------------------|--------------------------------|
| Entity Name: | QUANTUM ANALYTICS, LLC |
| Entity Number: | 200110610007 |
| Date Filed: | 04/11/2001 |
| Status: | FTB FORFEITED |
| Jurisdiction: | DELAWARE |
| Entity Address: | 65 EAST 55TH ST, 23RD FLR |
| Entity City, State, Zip: | NEW YORK NY 10022 |
| Agent for Service of Process: | (AGENT RESIGNED 04/07/2014) |
| Agent Address: | * |
| Agent City, State, Zip: | * |

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to Name Availability.
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to Information Requests.
- For help with searching an entity name, refer to Search Tips.
- For descriptions of the various fields and status types, refer to Field Descriptions and Status Definitions.

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Tom Schedler
Secretary of State

**State of
Louisiana
Secretary of
State**



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

| Name | Type | City | Status |
|---------------|---|-------|--------|
| QA GROUP, LLC | Limited Liability Company (Non-Louisiana) | DOVER | Active |

Business: QA GROUP, LLC

Charter Number: 35122564Q

Registration Date: 8/2/2001

Domicile Address

9 EAST LOOCKERMAN STREET
DOVER, DE 19901

Mailing Address

9 EAST LOOCKERMAN STREET
DOVER, DE 19901

Principal Business Office

3400 EAST THIRD AVENUE
FOSTER CITY, CA 94404

Registered Office in Louisiana

320 SOMERULOS ST.
BATON ROUGE, LA 708026129

Principal Business Establishment in Louisiana

C/O CORPORATION SERVICE COMPANY
320 SOMERULOS STREET
BATON ROUGE, LA 708026129

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 8/2/2001

Last Report Filed: 9/8/2014

Type: Limited Liability Company (Non-Louisiana)

Registered Agent(s)

| | |
|--------------------------|-----------------------------|
| Agent: | CORPORATION SERVICE COMPANY |
| Address 1: | 320 SOMERULOS ST. |
| City, State, Zip: | BATON ROUGE, LA 70802-6129 |

Appointment 9/8/2014
Date:

Amendments on File (2)

| Description | Date |
|---------------|------------|
| Revoked | 12/15/2005 |
| Reinstatement | 9/8/2014 |

Print

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Secretary of State

**State of
Louisiana
Secretary of
State**



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

| Name | Type | City | Status |
|------------------------|---------------------------|-----------|--------|
| QUANTUM ANALYTICS, LLC | Limited Liability Company | LAFAYETTE | Active |

Business: QUANTUM ANALYTICS, LLC

Charter Number: 41677960K

Registration Date: 10/24/2014

Domicile Address

232 IVORY STREET
LAFAYETTE, LA 70506

Mailing Address

232 IVORY STREET
LAFAYETTE, LA 70506

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 10/24/2014

Last Report Filed: N/A

Type: Limited Liability Company

Registered Agent(s)

| | |
|--------------------------|---------------------|
| Agent: | A MATHEW FOGARTY |
| Address 1: | 232 IVORY STREET |
| City, State, Zip: | LAFAYETTE, LA 70506 |
| Appointment Date: | 10/24/2014 |

Officer(s)

Additional Officers: No

| | |
|--------------------------|---------------------|
| Officer: | A MATHEW FOGARTY |
| Title: | Member |
| Address 1: | 232 IVORY STREET |
| City, State, Zip: | LAFAYETTE, LA 70506 |

Amendments on File

No Amendments on file

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Secretary of State

**State of
Louisiana
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COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

| Name | Type | City | Status |
|------------------------|---------------------------|------------|--------|
| DAMICO SYSTEMS, L.L.C. | Limited Liability Company | MANDEVILLE | Active |

Business: DAMICO SYSTEMS, L.L.C.

Charter Number: 36029398K

Registration Date: 10/12/2005

Domicile Address

1 NICOLE CT.
MANDEVILLE, LA 70448

Mailing Address

1 NICOLE CT.
MANDEVILLE, LA 70448

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 10/12/2005

Last Report Filed: 2/26/2015

Type: Limited Liability Company

Registered Agent(s)

| | |
|--------------------------|-----------------------------|
| Agent: | LANCE J. ARNOLD |
| Address 1: | BALDWIN HASPEL, L.L.C. |
| Address 2: | 1100 POYDRAS ST., STE. 2200 |
| City, State, Zip: | NEW ORLEANS, LA 70163-2200 |
| Appointment Date: | 10/12/2005 |

Officer(s)

Additional Officers: No

| | |
|--------------------------|----------------------|
| Officer: | MIKE D'AMICO |
| Title: | Member |
| Address 1: | 1 NICOLE CT. |
| City, State, Zip: | MANDEVILLE, LA 70448 |

Amendments on File (1)

| Description | Date |
|--|-----------|
| Appointing, Change, or Resign of Officer | 1/10/2012 |

[Print](#)

DATE: 5/06/2015

INVITATION TO BID
THIS IS NOT AN ORDER

BID NO.: 50-00113239

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

Page: 1

BUYER: SDuffy@jeffparish.net

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 6/02/2015 AND PUBLICLY OPENED THEREAFTER.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS
THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids must register as a Jefferson Parish vendor if not already yet registered. Bidders may be required to furnish current W-9 Forms and respective Tax Identification Numbers within 10 days after bid opening if such information is not on file or not up to date. Forms to register may be downloaded from www.purchasing.jeffparish.net and clicking on Vendor Information.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

DATE: 5/06/2015

BID NO.: 50-00113239

Page: 2

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated.

If the bid exceeds \$30,000.00 and the company is duly authorized to do business in the state of Louisiana, a corporate resolution must be submitted with the bid or the person signing the bid documents must be listed on the Louisiana Secretary of State's website as an officer of the corporation, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). If the bid is in excess of \$30,000 and bidder is registered out of the state of Louisiana, a corporate resolution must be submitted with the bid, unless bidder has otherwise complied with LSA-R.S. 38:2212(A)(1)(c) or LSA-R.S. 38:2212 (O). Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. Bids submitted by Owner or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. Sole proprietors submitting bids for public works projects shall within 10 days after bid opening submit sole proprietorship certification.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. IN THE EVENT OF SPLIT AWARD, THE PURCHASING DEPARTMENT MAY CONTACT VENDORS TO REQUEST REQUIRED AFFIDAVITS. THOSE VENDORS WILL HAVE 10 DAYS FROM THE DATE OF NOTICE TO SUBMIT COMPLETE, SIGNED AND NOTARIZED AFFIDAVITS IN ORIGINAL FORMATS.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

DATE: 5/06/2015

BID NO.: 50-00113239

Page: 3

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

E. RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

F. POSTING OF BIDS: A listing of bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA and will remain posted until close of respective bids.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This Electronic Procurement System allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Please note requirements contained in this bid package for electronic bid submission.

Please visit the Purchasing Department webpage at <http://purchasing.jeffparish.net> to register and review Jefferson Parish solicitations.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

6,10,13,15

1. All bidders must attend the pre-bid conference in relation to this bid; attendance is mandatory. Failure to attend will prohibit a company from submitting a bid. Vendors arriving after the mandatory pre-bid conference begins will not be allowed to sign in as evidence of attendance.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicted on the attached sheet. The current certificate of insurance must be submitted by low bidder within 10 days after bid opening to the Purchasing Department. Failure to comply will cause bid to be rejected. JEFFERSON PARISH reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid Solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations or warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit and E-Verify Affidavit must be completed, signed, notarized and submitted by low bidder within 10 days after bid opening to the Purchasing Department on all solicitations for construction, alteration or demolition of public building or project, including but not limited to requirements found in LSA-RS 38:2212.9; LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1. Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits (in Original Format) required; Non-Collusion Affidavit, and Campaign Contribution Affidavit must be completed, signed, notarized and submitted by low bidder with bid submission within 10 days after bid opening to the Purchasing Department. See LSA-RS 38:2212.10; LSA-RS 38:2224; Code of Ordinances, Jefferson Parish, Louisiana, Sec 2-923.1 Failure to comply will cause bid to be rejected; the Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event. For the convenience of vendors, all affidavits have been combined into one form entitled NON-PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format for the bid to be considered responsive.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 5/06/2015

Page: 5

BID NO.: 50-00113239

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF July 16, 2015.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

3-4 weeks

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: QA GROUP, LLC dba Quantum Analytics

ADDRESS: 3400 EAST THIRD AVENUE

CITY, STATE: FOSTER CITY, CA

ZIP: 94404

TELEPHONE: (650) 312-0900

FAX: (650) 312-0303

EMAIL ADDRESS: Scuevas@LQA.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____

NUMBER: _____

NUMBER: _____

NUMBER: _____

REJECTED

ALL BID REQUIREMENTS NOT MET

TOTAL PRICE OF ALL BID ITEMS: \$ _____

AUTHORIZED

SIGNATURE: 

Mike D'Amico

Printed Name

TITLE: Vice President

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

Q A GROUP LLC dba Quantum Analytics
~~INCORPORATED.~~

AT THE MEETING OF DIRECTORS OF QA Group LLC dba Quantum Analytics
INCORPORATED, DULY NOTICED AND HELD ON May 27, 2015,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Robert Wilson and/or Stephanie Cuevas BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.



SECRETARY-TREASURER

May 27, 2015

DATE

Non-Public Works Bid

AFFIDAVIT

STATE OF CALIFORNIA

~~PARISH~~/COUNTY OF SAN MATEO

BEFORE ME, the undersigned authority, personally came and appeared: MICHAEL
D'AMICO, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized VICE PRESIDENT of QA GROUP LLC (Entity),
the party who submitted a bid in response to Bid Number 50-00132³⁹, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required
attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including
the date and amount of each contribution, made to current or
former elected officials of the Parish of Jefferson by Entity,
Affiant, and/or officers, directors and owners, including
employees, owning 25% or more of the Entity during the two-year
period immediately preceding the date of this affidavit or the
current term of the elected official, whichever is greater. Further,
Entity, Affiant, and/or Entity Owners have not made any
contributions to or in support of current or former members of the
Jefferson Parish Council or the Jefferson Parish President through
or in the name of another person or legal entity, either directly or
indirectly.

Choice B ✓ there are NO campaign contributions made which would require
disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B ✓ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

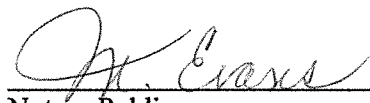
[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.


Signature of Affiant

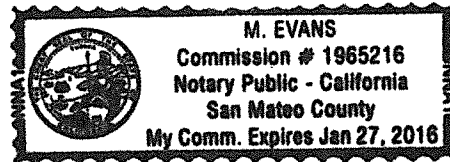
MICHAEL D'AMICO
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 27TH DAY OF MAY, 2015.


Notary Public

M. EVANS
Printed Name of Notary

1965216
Notary/Bar Roll Number



My commission expires 1-27-16.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

06/18/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | |
|---|--|---|
| PRODUCER Farallone Pacific Insurance Services, License# 0F84441 859 Diablo Avenue Novato, CA 94947 Daniel J. Costello | Phone: 415-493-2500 Fax: 415-493-2505 | CONTACT NAME: Chris Shaw PHONE (A/C, No, Ext): 415-493-2169 FAX (A/C, No): 415-493-2505 E-MAIL ADDRESS: Cshaw@fp-ins.com |
| INSURED QA Group, LLC dba: Quantum Analytics 3400 E. Third Avenue Foster City, CA 94044 | | INSURER(S) AFFORDING COVERAGE |
| | | INSURER A: Travelers Insurance |
| | | INSURER B: |
| | | INSURER C: |
| | | INSURER D: |
| | | INSURER E: |

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|---|----------|----------------|-------------------------|-------------------------|---|
| A | <input checked="" type="checkbox"/> GENERAL LIABILITY | | | ZLP13S21737-14 | 07/01/2014 | 07/01/2015 | EACH OCCURRENCE \$ 1,000,000 |
| | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 |
| | <input checked="" type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR | | | | | | MED EXP (Any one person) \$ 10,000 |
| | | | | | | | PERSONAL & ADV INJURY \$ 1,000,000 |
| | | | | | | | GENERAL AGGREGATE \$ 2,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | PRODUCTS - COMP/OP AGG \$ 2,000,000 |
| | <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | | | | \$ |
| A | <input type="checkbox"/> AUTOMOBILE LIABILITY | | | BA2A576692 | 07/01/2014 | 07/01/2015 | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 |
| | <input type="checkbox"/> ANY AUTO | | | | | | BODILY INJURY (Per person) \$ |
| | <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) \$ |
| | <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS | | | | | | PROPERTY DAMAGE (Per accident) \$ |
| A | <input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR | | | ZUP13S21749 | 07/01/2014 | 07/01/2015 | EACH OCCURRENCE \$ 5,000,000 |
| | <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE | | | | | | AGGREGATE \$ 5,000,000 |
| | DED <input checked="" type="checkbox"/> RETENTION \$ 0 | | | | | | \$ |
| A | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | UB2A236704 | 07/01/2014 | 07/01/2015 | WC STATUTORY LIMITS <input type="checkbox"/> OTHER <input type="checkbox"/> |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) | <input type="checkbox"/> Y <input type="checkbox"/> N | N/A | | | | E.L. EACH ACCIDENT \$ 1,000,000 |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 |
| | | | | | | | E.L. DISEASE - POLICY LIMIT \$ 1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Parish of Jefferson, Districts, Departments & Agencies
 Under the direction of the Parish President & Parish
 Council. Bid 50-00111432.

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00113239

SEALED BID

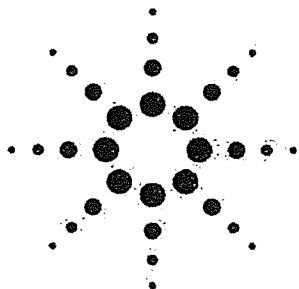
| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|----------------|----------|-----|--|----------------------|--------------|
| 1 | 1.00 | EA | LABOR, MATERIALS AND EQUIPMENT NECESSARY TO SUPPLY AND INSTALL GAS CHROMATOGRAPH AND RELATED ACCESSORIES FOR THE JEFFERSON PARISH DEPARTMENT OF PUBIC WORKS, WATER. | | |
| | | | 0010 AGILENT G3440B, 7890B GAS CHROMATOGRAPH CUSTOM, INCLUDES LAN INTERFACE, 7693 INTERFACE, 20-RAMP OVEN PROGRAMMING 6 HEATED ZONES, 2 ANALOG OUT, KEYBOARD AND DISPLAY PRESSURE SETPOINTS TO 0.001 PSI, INERT CAP SPLIT/SPLITLESS INLET WITH ELECTRONIC PNEUMATICS CONTROL (EPC) 100 PSI. MASS SPECTROPHOTOMETER DETECTOR INTERFACE. THREE CHANNELS OF EPC, FACTORY PLUMBLING, OVEN EXHAUST DEFLECTOR, PURGED UNION, BACKFLUSH READY INCLUDES INSTALLATION AND FAMILIARIZATION. WATER DEPT.-WATER LAB-KRISTEN RAGAN | \$25,129.80 | \$25,129.80 |
| 2 | 1.00 | EA | 0020 AGILENT G7042AA, 5977A INERT MASS SELECTIVE DETECTOR (MSD) WITH DATA SYSTEM. PERFORMANCE TURBO PUMP AND INERT ELECTRON IONIZATION (EI) SOURCE. INCLUDES SELECT MASS HUNTER FAMILIARIZATION, INSTALLATION, MSD FAMILIARIZATION, AND ONE YEAR OF PHONE ASSISTANCE. | \$64,184.40 | \$64,184.40 |
| | | | | | |
| 3 | 1.00 | EA | 0030 AGILENT G3397B, ION GUAGE KIT FOR 5977 MSD. INCLUDES INSTALLATION. | \$2,094.30 | \$2,094.30 |
| | | | | | |
| 4 | 1.00 | EA | 0040 AGILENT G1033A, NIST 2014 MS LIBRARY BUNDLE, INCLUDES 243,000 SPECTRA WITH NAMES, CHEMICAL STRUCTURES, AND RETENTION INDICES. INCLUDES MS/MS SPECTRA LIBRARY, NIST SEARCH, AND AMDIS PROGRAMS. INCLUDES INSTALLATION | \$5,271.00 | \$5,271.00 |
| | | | | | |
| 5 | 1.00 | EA | 0050 AGILENT G4513A, 7693A AUTOINJECTOR THAT INCLUDES TRANSFER TURRET, 16-SAMPLE TURRET, MOUNTING POST, PARKING POST FOR GC, 10 UL SYRINGE, AND SOLVENT BOTTLES. INCLUDES INSTALLATION AND FAMILIARIZATION. | \$6,706.80 | \$6,706.80 |
| | | | | | |
| 6 | 1.00 | EA | 0060 TEKMAR TMR-9800 STRATUM PTC SAMPLE CONCENTRATOR. INCLUDES 60 INCH SILTEK TREATED TRANSFER LINE, TUBING, AND *Quoting Tekmar part #14-9800-100 , description same as above. | \$17,674.21 | \$17,674.21* |
| | | | | | |

INVITATION TO BID FROM JEFFERSON PARISH - continued

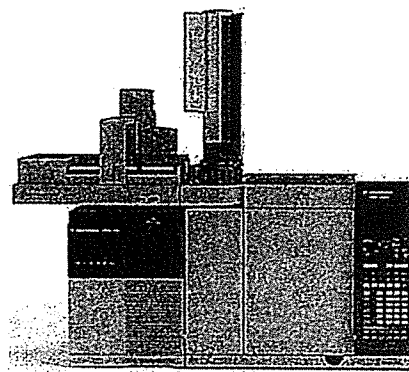
BID NO.: 50-00113239

SEALED BID

| ITEM NUMBER | QUANTITY | U/M | DESCRIPTION OF ARTICLES | UNIT PRICE QUOTED | TOTALS |
|----------------|----------|-----|---|--|-------------|
| | | | TREATED FITTINGS THROUGH SAMPLE PATHWAY, HEATED SAMPLE MOUNT, DRY FLOW MOISTURE SYSTEM, AND U-TRAP TECHNOLOGY. | | |
| 7 | 1.00 | EA | 0070 AGILENT G3184-60065, TEE, INERT FOR CAPILLARY FLOW TECHNOLOGY. | \$273.60 | \$273.60 |
| 8 | 1.00 | EA | 0080 AGILENT 160-2255-5 FUSED SILICA DEACTIVATED TUBING 0.250 MM X 5 M | \$43.88 | \$43.88 |
| 9 | 1.00 | EA | 0090 AGILENT G3188-27502 0.32MM ULTIMETAL TREATED FLEXIBLE METAL FERRULE | \$58.68 | \$58.68 |
| 10 | 1.00 | EA | 0100 AGILENT SYS-GM-5977T, ADVANTAGE SILVER SERVICE AGREEMENT, 3 YEARS TOTAL INCLUDING 1 PREVENTATIVE MAINTENANCE PER YEAR. | \$19,117.08 | \$19,117.08 |
| 11 | .00 | | LOCATION: JEFFERSON PARISH WATER LAB 3600 JEFFERSON HWY., BLDG. E JEFFERSON, LA 70121 ATTN: KRISTEN RAGAN 504-838-4305 | *See pricing below for Tekmar Stratum | |
| | | | *Tekmar Stratum service contract (2 additional years). Includes annual PMs 3 years total. | \$4,894.00 | \$4,894.00 |
| | | | Shipping | \$1,600.00 | \$1,600.00 |



Agilent 5977A Series GC/MSD System Data Sheet



GC/MSD

The Agilent 7890B/5977A Series Gas Chromatograph/Mass Selective Detector builds on a 45-year tradition of leadership in GC and MS technology. This advanced GC/MSD platform delivers a higher level of performance and productivity with:

- The industry's highest S/N and lowest IDL
- The power and flexibility of both Classic MSD ChemStation and new MassHunter Quantitative and Qualitative Analysis
- Eco-friendly features that save energy and time
- Integrated Intelligence to support methods development and system optimization
- Enhanced communication between the GC and MSD for more efficient and safer operation

Mass Selective Detector

| | |
|------------------------|--|
| El source | Standard Inert or high sensitivity Extractor |
| CI source | PCI, NCI, and EI acquisition |
| Ion source temperature | 150–350 °C |
| Quadrupole temperature | 100–200 °C |
| Mass filter | Monolithic hyperbolic quadrupole |
| Mass range | 1.6–1,050 u |
| Mass axis stability | Better than 0.10 u/48 h |
| Detector | Triple-Axis Detector with long life EM |

Gas Chromatograph

| | |
|------------------------|---|
| Gas chromatograph | Agilent 7890B |
| Autosampler | Agilent 7693, 7650, CombiPAL, 7697 headspace and other third party autosamplers |
| Oven temperature | Ambient +4 – 450 °C Ambient +5 – 350 °C |
| Oven ramps/plateaus | 7890B Supports 20 oven ramps with 21 plateaus. Negative ramps are allowed. |
| Retention-time locking | RTL-ready |



Agilent Technologies

Data System

| | |
|---------------------------------|--|
| Software | GC/MSD MassHunter Acquisition with both MassHunter and Classic ChemStation Data Analysis |
| Simultaneous signal acquisition | Simultaneous support of two MSDs and four GC detectors |
| SIM/Scan | Automated SIM setup and synchronous SIM/scan operation |
| Application autotunes | One-click autotune for BFB, DFTPP |

Optional Libraries and Software Tools

| | |
|-----------------------|--|
| Spectral libraries | NIST, Wiley/NIST, Maurer-Pfleger, Weber Drug |
| Spectral ORS and RTL | Pesticides and endocrine disrupter databases, volatiles, PCBs, toxicology, hazardous chemicals, indoor air toxics, Japan Positive List, forensic toxicology, environment semivolatiles, and several user contributed libraries |
| 21CFR11 Compliance | MassHunter Data Acquisition and Quantitative Data Analysis |
| Multivariate analysis | Mass Profiler Professional |

Physical Requirements with the Agilent 7890B

| | |
|--------------------|--|
| Dimensions (GC/MS) | 88 cm (w), 56 cm (d), 50 cm (h) Additional space should be added for the auto injector, sample tray, data system and printer. |
| Weight (GC/MS) | 81 to 96 kg (depending on configuration) |

Installation Checkout Specifications

| | |
|--|--|
| El SIM IDL (Helium carrier gas with Auto Liquid Sampler) | 10 fg or less IDL for Extractor ion source, turbo molecular pump system 24 fg or less for Inert El source, turbo molecular pump system 30 fg or less for Inert El source, diffusion pump system IDL statistically derived at 99% confidence level from the area precision of eight sequential splitless injections of 100 fg OFN, monitoring m/z 272. |
| El scan S/N (Helium carrier gas manual injection) | 1500:1 or higher S/N for Extractor ion source, turbo molecular pump system 600:1 or higher for Inert El Ion Source, turbo molecular pump system 300:1 or higher for Inert El Ion Source, diffusion pump system These numbers will be given by 1- μ L injection of 1 pg/ μ L OFN standard scanning from 50 to 300 u at nominal 272.0 u ion. |
| PCI scan S/N (Methane) | 125:1 S/N will be given by 1- μ L injection of 100 pg/ μ L BZP ² standard scanning from 80 to 230 u at nominal 183 u ion. |
| NCI scan S/N (Methane) | 600:1 S/N will be given by 2- μ L injection of 100 fg/ μ L OFN standard scanning from 50 to 300 u at nominal 272 u ion. |

¹Octafluoronaphthalene (OFN)

²Benzophenone (BZP)

For More Information

For more information on our products and services, visit our Web site at www.agilent.com/chem.

www.agilent.com/chem/5977A

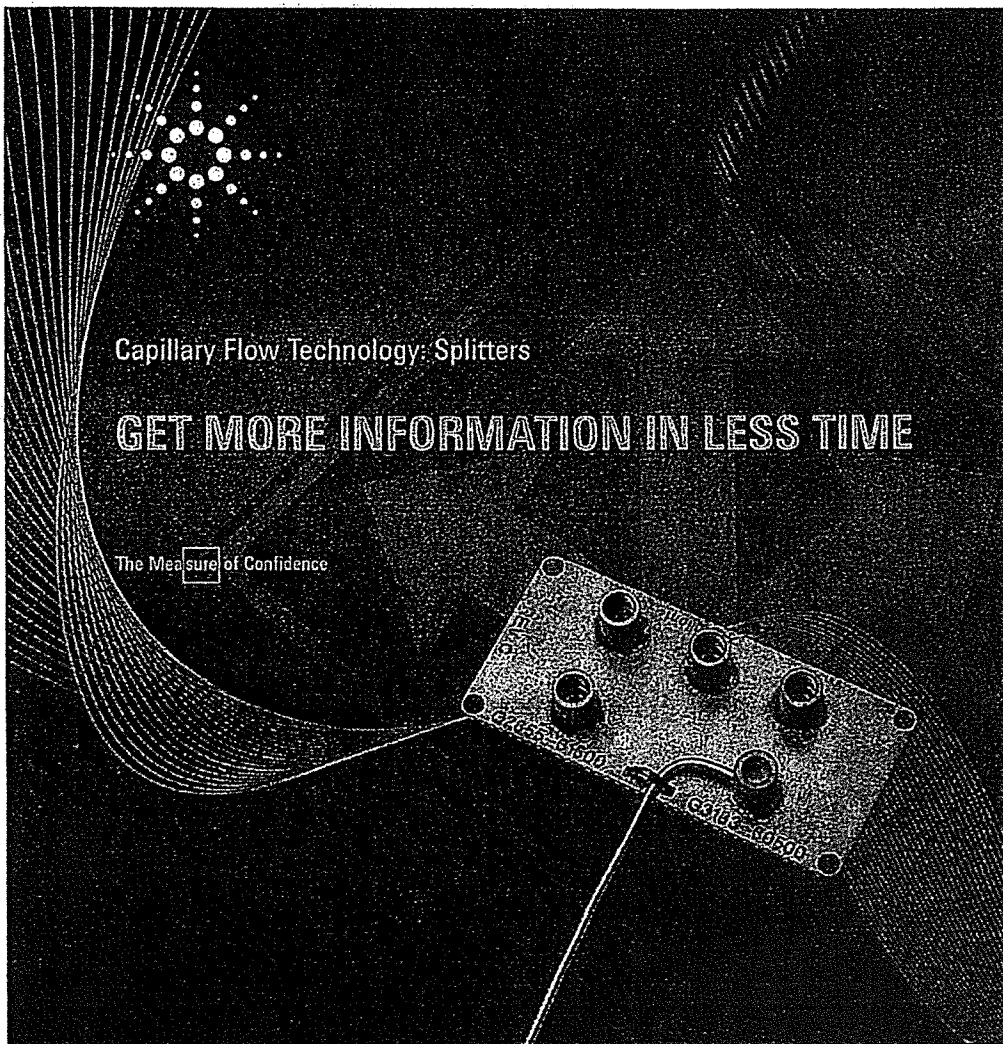
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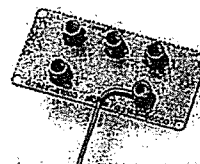
Printed in the USA
January 21, 2013
5991-1638EN



Agilent Technologies



A time-saving alternative to running samples on multiple GCs



Analyzing complex samples may require different types of specific GC detectors in order to meet detection limits, overcome matrix interferences, or confirm unknown peaks. Forensic analysis often requires mass spectrometry to produce defensible data for possible use in a criminal trial. Therefore, it is not unusual in such situations to run a sample multiple times on different GC systems, each with a dedicated detector. Agilent offers a time-saving alternative: use our Capillary Flow Technology Splitter to split effluent from a single column to two or three detectors on the same GC.

While the use of splitters is not new, the technique has been limited in its use due to technical challenges with the splitting hardware. For instance, optimal performance requires that a splitter be inert, have low thermal mass and dead volume, be leak free, allow no outgassing from sealing materials, and be capable of withstanding the temperatures used in the GC analysis.

HERE'S HOW AGILENT'S TECHNOLOGY OVERCOMES PREVIOUS SPLITTER CHALLENGES:

| Challenges | The Agilent Solution |
|--|--|
| <p>With traditional splitters:</p> <ul style="list-style-type: none"> Glass "Y" connectors can be difficult to assemble correctly, and the column or fused silica tubing can sometimes detach upon thermal cycling of the oven. Some splitters use polyimide ferrules, which can outgas at high temperatures and develop leaks upon thermal cycling due to shrinkage of the polymer. Graphite ferrule splitters eliminate thermal cycling problems but may have trouble with inertness; they can outgas contaminants at high temperatures and can shed active particles into the sample path. There is the risk of atmospheric detector gas "leaking" into the mass spectrometer if make-up gas is not used for pressure compensation. The split ratio on various detectors depends on the length and internal diameter (i.d.) of the restrictor tubing. Selecting the correct dimensions requires calculations that can impact the chromatography, especially if using a mass spectrometer (vacuum). | <p>With Agilent's Capillary Flow Technology Splitter modules:</p> <ul style="list-style-type: none"> The column and restrictors leading to the detectors attach to the module using metal ferrules that do not outgas, do not shed particles, will not detach, and eliminate leaks (even after oven cycles with temperatures as high as 350 °C). All surfaces are deactivated for a completely inert sample path. Aux EPC can be used to ensure there is no backflow of gas from a GC detector to an MSD, protecting the source from possible damage. A simple calculator, based on Microsoft® Excel, is used to determine the restrictor dimensions needed to attain a specific split ratio. See tips and tools for more information. |

How it works...

AGILENT OFFERS SEVERAL DIFFERENT SPLITTERS THAT USE OUR PROPRIETARY CAPILLARY FLOW TECHNOLOGY

1. Two-way splitter without makeup gas. This splitter divides the column effluent to two different detectors. It is useful for labs that set up a single configuration and use it without changing columns or parameters frequently. It is best used with column flows greater than 2 mL/min and with atmospheric pressure detectors. While it can be used for splitting to an MSD if care is taken in the setup, a two-way or three-way splitter with makeup gas is strongly recommended for MSD applications.

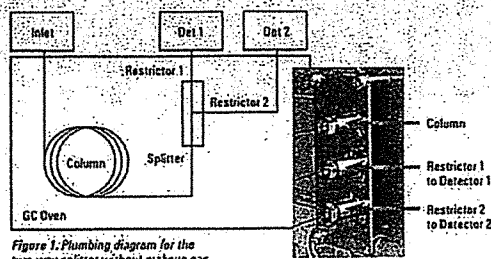


Figure 1. Plumbing diagram for the two-way splitter without makeup gas

Figure 2. Two-way splitter without makeup gas connections

2. Two-way splitter with makeup gas. This splitter uses a source of makeup gas supplied by electronic pneumatics control (EPC). Use of an Aux EPC module maintains the splitter at a known and constant pressure, which allows easier splitting to vacuum detectors such as the MSD. It simplifies the choice of splitter parameters, allowing all aspects of the chromatographic setup to be calculated. Constant pressure makeup allows the column to be run in constant flow mode. At the same time, a constant split ratio is maintained between two detectors of different operating pressures, such as the FPD and the MSD. Because the EPC pressure can be time programmed, useful operations like backflushing unwanted heavy materials from the column and changing columns in MSD systems without venting, are possible.

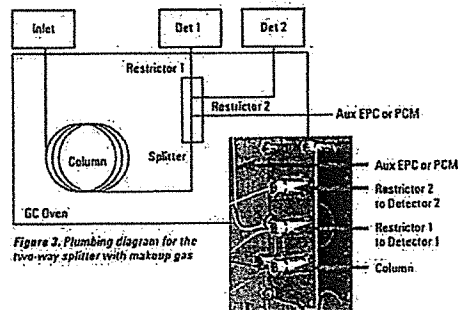


Figure 3. Plumbing diagram for the two-way splitter with makeup gas

Figure 4. Two-way splitter with makeup gas connections

3. Three-way splitter with makeup gas. This splitter operates the same as the two-way splitter with makeup gas, but divides the effluent from a column among three different detectors.

Note: A purged capillary flow device, such as a splitter, introduces an additional flow in the sample stream. For detectors that operate at low flow rates, like the MSD and TCD, some decrease in sensitivity will occur.

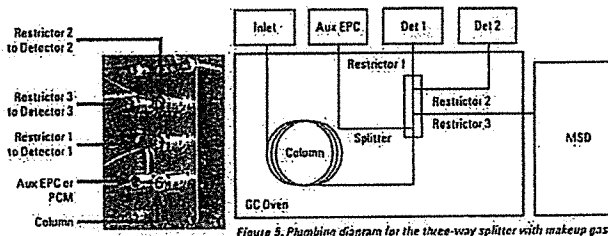


Figure 6. Three-way splitter with makeup gas connections

Figure 5. Plumbing diagram for the three-way splitter with makeup gas

To learn how you can increase productivity in your lab, visit www.agilent.com/chem/CapillaryFlowTechnology

Simultaneously collect data from multiple detectors

Laboratories that perform toxicology screens on forensic samples must rise to the challenge of having to analyze large numbers of samples containing complex matrix interferences. The Agilent system addresses these demands by combining fast GC to reduce the run time; the use of a Capillary Flow Technology splitter to simultaneously collect scan, SIM, and

NPD data and backflush to prevent heavy matrix components from fouling the detectors; and Deconvolution Reporting Software (DRS) to simplify data interpretation. Total time savings was greater than 85%, not including the time saved by using DRS.

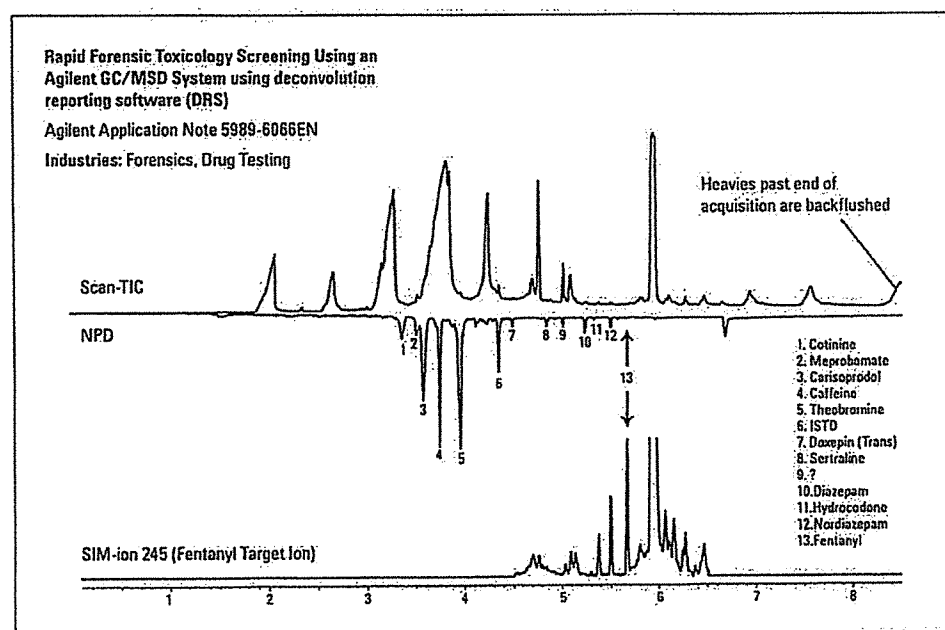


Figure 7. Chromatogram from screen of whole blood sample

Detect unknown trace pesticide residue without full-scan MS

Fruit and vegetable extracts are typically very complex to analyze. It is common to use selective GC detectors, such as NPD, ECD, and FPD, to look for trace pesticide residues in the extracts. Mass spectrometry is most often used to confirm the hits from GC detectors. Figure 8 shows how the column effluent can be split three ways to two GC detectors and an MSD. The splitter system is therefore capable of providing up to four

signals (two GC signals, SIM, and full-scan chromatograms) from a single injection. By combining RTL, element-selective detector chromatograms, and the RTL pesticide database, a trace level pesticide residue was identified without the full-scan mass spectrum.

Using RTL and 3-Way Splitter to Identify Unknown in Strawberry Extract

Agilent Application Note 5989-6007EN

Industries: Environmental, Foods

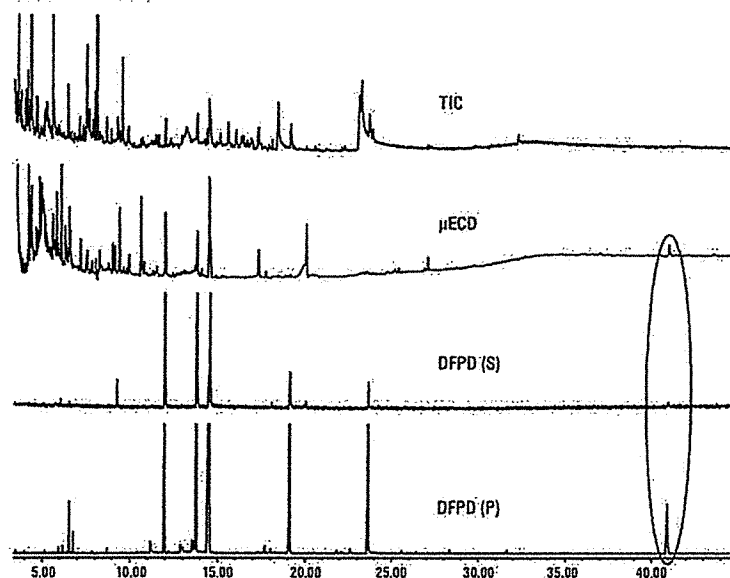


Figure 8. Unknown compound detected by GC signals not found in strawberry extract TIC

To learn how you can increase productivity in your lab, visit www.agilent.com/chem/CapillaryFlowTechnology

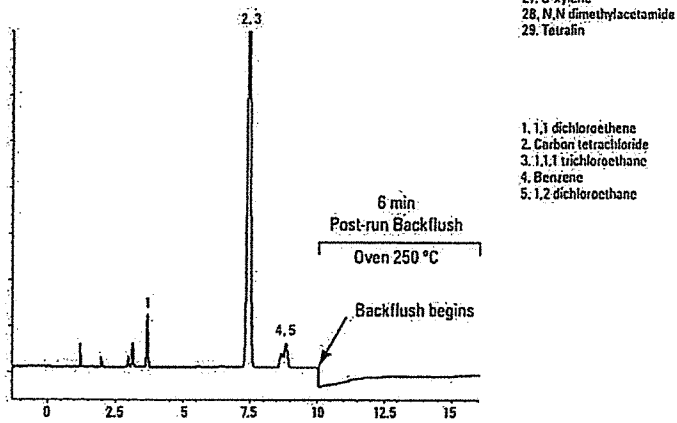
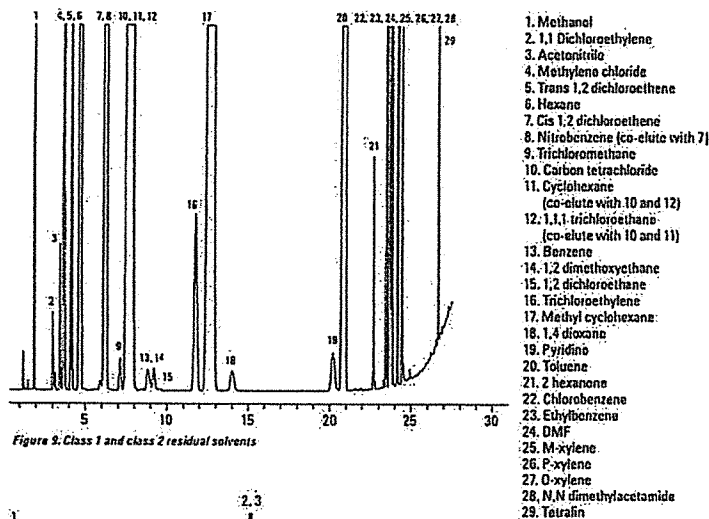
Backflush reduces sample turnaround time

This example illustrates the use of a two-way splitter with makeup gas to backflush late-eluting impurities and high-boiling solvents/diluents in the analysis of residual solvents by headspace extraction and GC. Along with a faster oven cool-down possible with the 7890 GC, backflushing decreases the sample turnaround time.

Improved Retention Time, Area Repeatability, and Sensitivity for Analysis of Residual Solvents

Agilent Application Note
5989-6079EN

Industries: Pharmaceutical



Other uses for a three-way splitter:

Think of Capillary Flow Technology modules as flow "building blocks" that can be configured in different ways to accomplish different tasks. For instance:

Two-Way Splitter

By plugging one of the ports, a three-way splitter can be used as a two-way splitter. A typical three-way splitter plumbing configuration is shown in Figure 11.

Figure 12 depicts how the three-way splitter is converted to a two-way splitter. Port 1 is plugged (the plug can be made from a nut and ferrule plus a short length of stainless steel wire included in the splitter kit) and the column is connected to port 2. The two detector restrictors are connected to ports 3 and 4.

Two Different Columns In, Two Detectors Out

Using the setup shown in Figure 13, a method can be used to inject into inlet 1 and column 1 while column 2 is unused. Inlet 2 pressure is set at a low level that produces a small purge flow (at least 0.5 mL/min) through column 2. A second method can reverse the situation, purging column 1 while analyzing with inlet 2 and column 2.

This can be useful for laboratories that frequently need to use columns with different phases. Setup is the same as that for a two-way splitter, except that column flow in the calculations now equals the sum of the flows from columns 1 and 2.

Because the bleed from both columns enters the detectors simultaneously, low-bleed stationary phases should be used in this configuration.

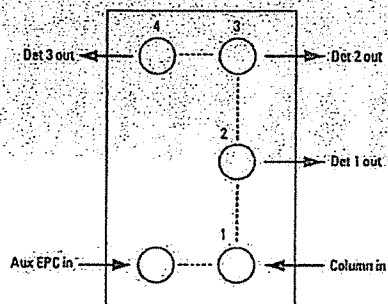


Figure 11. Typical three-way splitter plumbing configuration

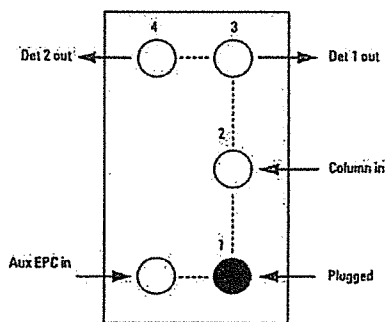


Figure 12. Three-way splitter configured as a two-way splitter

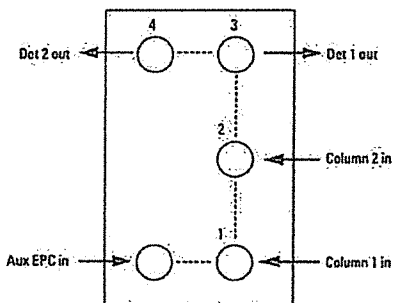
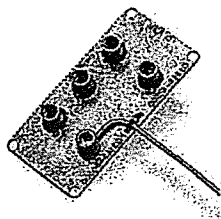


Figure 13. Column 2 is unused

**What you need
to get faster analysis results**



7890 GC or 6890N GC with two or three detectors

Splitter option or accessory

- On-site installation and verification are strongly recommended.

Aux EPC module

- Aux EPC Purge Regulator Kit is recommended.
- PCM can be used in place of Aux EPC but is not recommended for this application.

High-temperature SilTite ferrules and fittings

Deactivated silica tubing for detector restrictors

Splitter calculator software (included with the splitter option and accessory)

- Calculates the restrictor dimensions (internal diameter and length) required to obtain a desired split ratio from the column to the multiple detectors.
- A set of eight typical configurations have been pre-calculated and are available in the operator manual for each of the splitters. They apply to a wide variety of detector combinations and split ratios.

Microsoft® Excel 97 or later

For more information

Read: Agilent G3181B Two-Way Splitter Kit Without Makeup Gas Installation and Operation Guide Agilent Manual, G3181-90120;
Agilent G3180B Two-Way Splitter Kit With Makeup Gas Installation and Operation Guide Agilent Manual, G3180-90120;
Agilent G3183B Three-Way Splitter Kit Installation and Operation Guide; Agilent Manual, G3183-90120

Learn more: www.agilent.com/chem/CapillaryFlowTechnology

Buy online or find an Agilent customer center in your country:

www.agilent.com/chem/contactus

U.S. and Canada: 1-800-227-9770 or agilent_inquiries@agilent.com

Europe: info_agilent@agilent.com

Asia Pacific: adinquiry_aplsc@agilent.com

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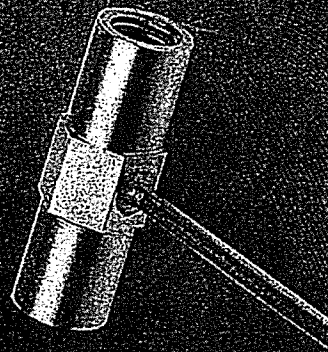
Agilent Technologies



Capillary Flow Technology: Purged Ultimate Union

**REDUCE DOWNTIME AND INCREASE
YOUR LAB'S PRODUCTIVITY**

The Measure of Confidence



Agilent Technologies

Perform reliable routine maintenance in a matter of minutes, not hours



Routine operation of any GC/MS system typically requires occasional maintenance of the inlet and column. The mass spectrometer must be shut down to cool and vent the system. Once maintenance is complete, the system must be restarted, pumped down, and baked out before samples can be run again, resulting in significant downtime.

Laboratories could benefit from a reliable way to conduct routine maintenance on a GC/MS system without cooling and venting – especially for high-throughput operations. However, previous attempts at designing a suitable quick-maintenance flow system have had a number of drawbacks:

- » Large metal fittings with high thermal mass do not track oven temperatures well
- » Many oven temperature cycles can cause leaks over time, risking damage to the MS source
- » Internal surfaces are not inert, leading to peak broadening or loss of analytes

The Purged Ultimate Union provides an effective solution without the drawbacks

Agilent's Capillary Flow Technology Purged Ultimate Union, sometimes referred to as the pressure-controlled tee (PCT), is designed to provide simple backflush to an existing GC or GC/MS method. It addresses all drawbacks while facilitating:

- Fast column removal or replacement without the need to cool and vent the MSD
- Risk-free inlet and column maintenance by preventing air from entering the MSD
- Shorter analysis times and increased sample throughput by removal of high molecular weight compounds using backflushing mode

How it works...

THE VERSATILITY TO PERFORM CONCURRENT AND POST-RUN BACKFLUSH

Configurations for backflush:

The basic configuration for the Purged Ultimate Union is one inlet (S/SL, MMI or PTV) to one detector. However, it can be used in several backflush configurations.

Post-Column: backflush wizard adjusts conditions to offset change in outlet pressure caused by the source controlling the flow for the short post column.

Coated and Uncoated* Pre-Column: requires two columns with options of two equal lengths connected by purged union at midpoint or the purged union joining a shorter (5 m) first section with a longer (15 m) second section.

Modes for backflush:

Post-run: easiest to configure, backflush occurs after last peak of interest can be implemented.

Concurrent: backflush occurs during data collection, eliminating the need for a post run program, saving time and improving lab productivity.

*Recommended for use only as short retention gaps and not in equal length to the second column.

Simplify maintenance without affecting detection limits

Applying backflushing helps maintain the GC and the MS source by removing later eluting compounds from the column before reaching the MS, and prior to the next sample injection. This example shows the results of the Purged Ultimate Union (PCT) configuration for rapid and universal GC/MS backflushing, applied to selected reaction monitoring. Using a simple PCT configuration, quick column and inlet maintenance can be performed without venting the MS system or hindering detection limits.

Replicate injections showed no statistically significant difference between the peak areas or heights for the 272 & 241 m/z transition (Table 1). Moreover, retention time reproducibility was unaffected by adding PCT, and a standard deviation of less than 0.1 seconds was achieved both with and without the PCT. (Absolute retention times can shift slightly due to a minor difference in the absolute flows and lengths). Signal-to-noise was also indistinguishable between the two configurations, although noise is uniformly low in selected reaction mode. The degree of correspondence is best illustrated in Figure 1.

| GC configuration | RT standard deviation (s) | Normalized MRM Signal area | RSD (%) | Normalized MRM Signal height | RSD (%) | Normalized MRM S/N |
|-------------------------------|---------------------------|----------------------------|---------|------------------------------|---------|--------------------|
| Continuous column without PCT | 0.063 | 1 | 14 | 1 | 15 | 1 |
| With PCT | 0.098 | 1.1 | 15 | 1.6 | 16 | 1.2 |

Table 1: Comparison between PCT and Continuous Column configurations for MRM 272 > 241 (DFN). To simplify the comparison, the results for the peak area, height and signal-to-noise (S/N) ratio have been normalized against the standard configuration.

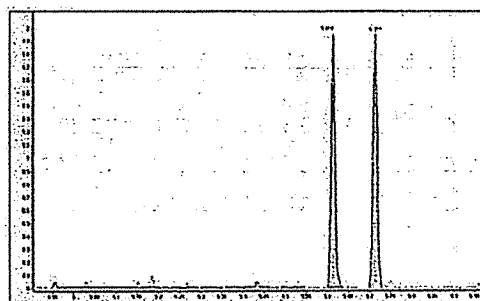


Figure 1: DFN 272 & 241 m/z transition without the PCT (5.614 min) and using the PCT (5.715 min). The same absolute abundance scale is applied to both.

Maintain retention times with backflush and the Purged Ultimate Union

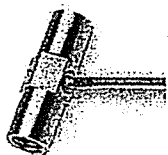
The Pressure Controlled Tee configuration provides a simple approach to rapid backflushing and GC-serving on all MS systems. If retention times can be permanent on any system, complex MS acquisition methods – such as selected ion monitoring and multiple reaction monitoring (MRM) modes – need not be changed when columns are trimmed or replaced. Similarly, compound retention times are unchanged in data analysis, which simplifies identification, quantitation and the use of databases of compound retention times. Applying simple "Mechanical Retention Time Locking" quickly returns the GC/MS to acquisition without method changes or additional complexity (Table 2).

For an example of how to generate compound retention times that are permanent and universal through Retention Time Locking, see Agilent Application Note 5990-4643EN.

| Compound | RT Error (s) |
|-------------------------|--------------|
| Dichlorvos | -0.66 |
| Mevinphos | -0.66 |
| Ethionphos | -0.9 |
| Sulfotep | -0.36 |
| Phorate | -0.96 |
| Fenofos | -0.54 |
| Diazinon | -0.48 |
| Disulfoton | -0.48 |
| Chlorpyrifos Methyl | 0.06 |
| Methyl parathion | -0.78 |
| Fenchlorphos | -0.42 |
| Fenitrothion | -0.42 |
| Malathion | -0.12 |
| Chlorpyrifos | -0.12 |
| Fenthion | -0.36 |
| Tetrachlorvinphos | 0.12 |
| Fenathion | 0 |
| Prothiobas | 0.06 |
| S,S,S-Tributylphosphoro | 0.12 |
| Ethion | 0.48 |
| Sulprofos | 0.18 |
| Carbophenothion | 0.16 |
| EPN | 0.42 |
| Azinphos-methyl | 0.36 |
| Azinphos ethyl | 0.72 |
| Coumaphos | 2.3 |

Table 2: Illustration of selected retention time error results using the purged and non-purged union.

What is required?



7890 GC or 6890N GC with 5977A Series GC/MSD

Purged Ultimate Union accessory

- On-site installation and verification are strongly recommended

Aux EPC module

- Aux EPC Purge Regulator Kit is recommended

High-temperature Siltrite ferrules and fittings

- Included with Purged Ultimate Union option and accessory

Restrictor

- 2 each of 100- and 110- μ m id restrictors included with Purged Ultimate Union option and accessory

Flow Calculator or Method Translation Software

- Included with Purged Ultimate Union option and accessory

For more information

Learn more about Agilent's Capillary Flow Technology at:
agilent.com/chem/CapillaryFlowTechnology

Buy online or find an Agilent customer center in your country:
agilent.com/chem/contactus

U.S. and Canada: 1-800-227-9770 or agilent_inquiries@agilent.com

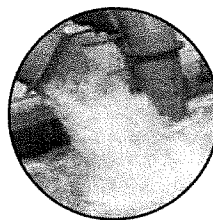
Europe: info_agilent@agilent.com

Asia Pacific: adinquiry_aplsc@agilent.com

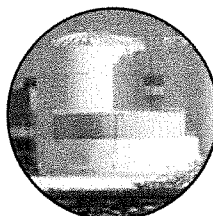




TELEDYNE TEKMAR
Everywhere you look™



Simplicity



Reliability

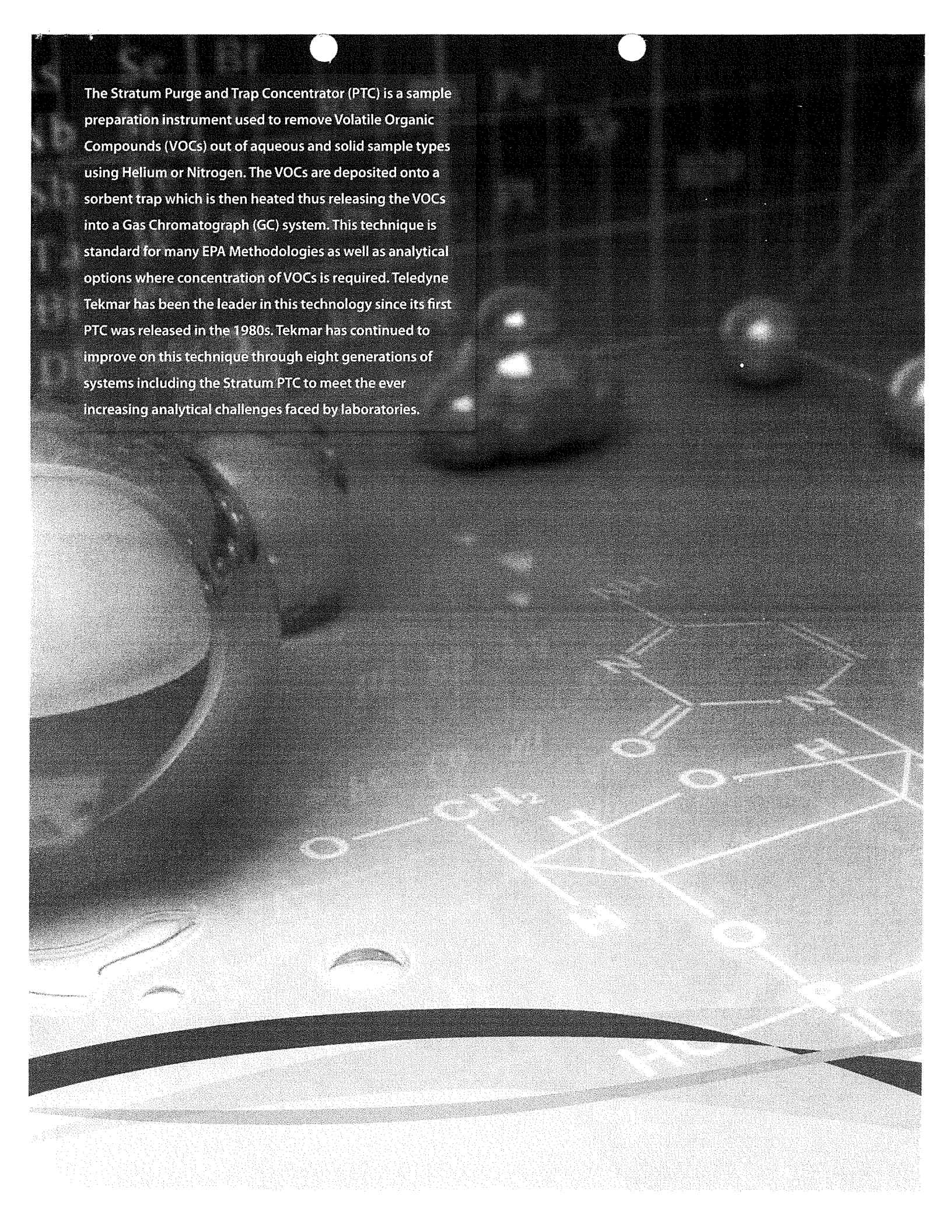


Performance



Stratum

Automated VOC Sample Prep System



The Stratum Purge and Trap Concentrator (PTC) is a sample preparation instrument used to remove Volatile Organic Compounds (VOCs) out of aqueous and solid sample types using Helium or Nitrogen. The VOCs are deposited onto a sorbent trap which is then heated thus releasing the VOCs into a Gas Chromatograph (GC) system. This technique is standard for many EPA Methodologies as well as analytical options where concentration of VOCs is required. Teledyne Tekmar has been the leader in this technology since its first PTC was released in the 1980s. Tekmar has continued to improve on this technique through eight generations of systems including the Stratum PTC to meet the ever increasing analytical challenges faced by laboratories.

How It Works

Purge and Trap extracts VOCs from the sample matrix using a controlled flow and depositing the VOCs onto a sorbent trap, which is then heated and back flushed to a GC or GC/MS system. While this theory is simple, many factors affect the performance of the system. The Stratum PTC employs the latest technology in all of its components from a patented electronic Mass Flow Controller (MFC) to intuitive software control that monitors the entire system performance.

Applications and Industries

VOC sampling and analysis are used in a wide range of applications in the following industries:

- Environmental
- Food and Beverage
- Forensics and Toxicology
- Pharmaceutical
- Petrochemical

Methods

USEPA 502.1, 502.2, 524.2, 503.1, 601, 602, 603, 624, 8010, 8015, 8020, 8021, 8030, 8240, 8260, ASTM and Standard Methods, Massachusetts VPH and GRO Methods



Modes and Requirements

Purge - The purge process is when the flow of inert gas through the sample matrix extracts and deposits VOCs onto the trap. The volume of gas (flow rate x time) determines the efficiency of the extraction. By employing an electronic MFC, users can automatically set the flow rates and times via the software allowing for easy input of the volumes required as opposed to manually setting them when using other systems.

Dry Purge - Since water is an unwanted VOC and in much greater availability than the compounds of interest, steps must be employed to minimize its transfer. Water can cause chromatographic interference as well as hinder the performance of the detection system. The dry purge feature allows for drying gas to pass through trap to remove excess water.

Desorb Preheat/Desorb - In this two step process, first the trap is heated with no flow to allow compounds to release from the trapping agents. Then GC carrier flow is introduced to transfer the compounds to the GC system. In addition any water not removed during the dry purge process is removed by a condensate trap in the preheat operation.

Bake - The trap and condensate trap are heated and the system gas flow is increased to prepare the system for the next run. By using an electronic mass flow controller the bake time is greatly reduced compared to other systems.

Options

- **Guardian Foam Sensor** - The Guardian uses a photo sensor mounted on the outside of the sparger. When foaming occurs, the foam blocks the sensor, prompting the Stratum to shut off the purge flow and drain the sample.

- **Guardian and Eliminator** - When foam is sensed, the unit shuts off the purge gas. The purge clock is stopped and the foam transfer valve is activated to add antifoam agent for a specified period of time.

- **Autosampler** - A range of solid and liquid autosamplers are compatible with the Purge & Trap as well as liquid vial autosamplers directly purchased Tekmar. Increase your throughput by coupling with Tekmar's AQUATek 100 autosampler. Utilizing an autosampler reduces hands-on labor and improves data quality.

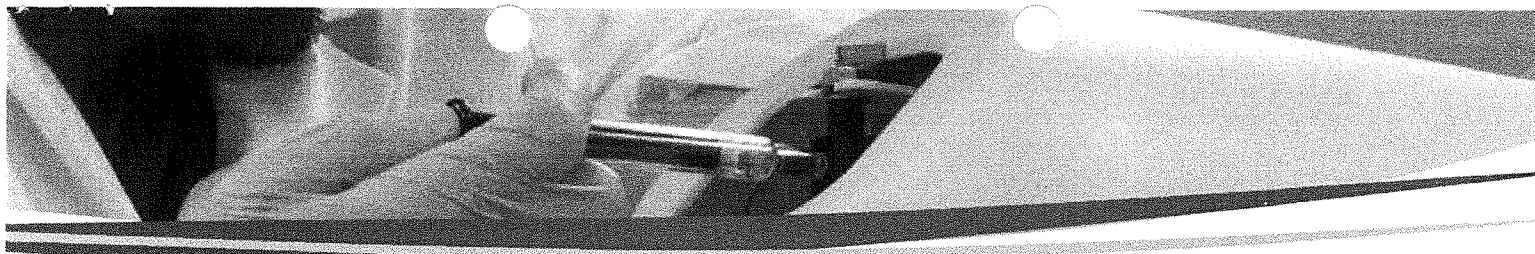
- **Cryofocusing Module** - This module is useful in improving your chromatographic resolution. Cryofocusing or cold trapping ensures efficient trapping and injection.

Glassware

Glassware can be ordered in 5 and 25mL with or without frit.

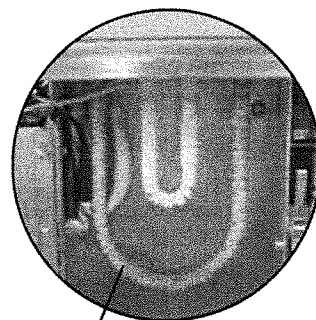
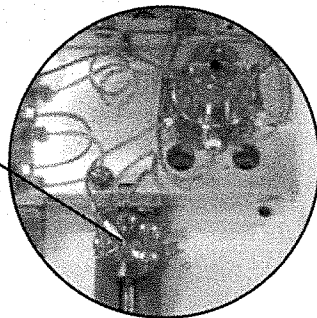
Additional Features

Mass Flow Controller (MFC) - The Stratum utilizes a patented digital MFC (patented) for independent programmable flow control allowing users to easily optimize performance based on needs for either water or soil.



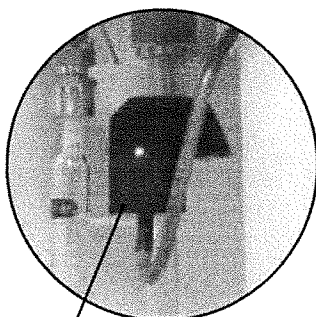
Inert Heated Sample Path

When dealing with active, polar, and high boiling compounds, it is imperative to keep your sample contained in an inert sample pathway. The Stratum PTC utilizes Inertium® tubing and SilcoNert® 2000-treated fittings throughout the sample path. This ensures resistance to corrosion and prevents loss of compounds.



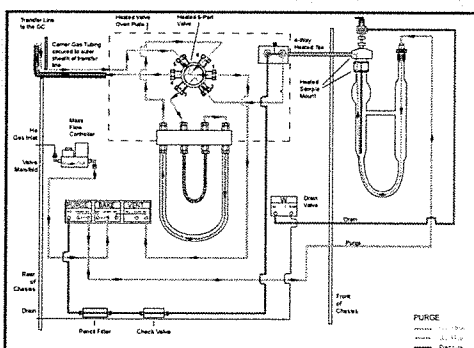
Analytical Trap

The Stratum PTC ships with a #9 proprietary U-shaped trap installed and a U-shaped Vocarb 3000 trap. If a sample is not properly desorbed from the trap, the resolution in the chromatogram will suffer. The U-shaped trap provides superior peak shape by allowing a volume for the desorbing gas to refocus before proceeding to the GC. The result is a dramatic improvement in your chromatographic resolution.



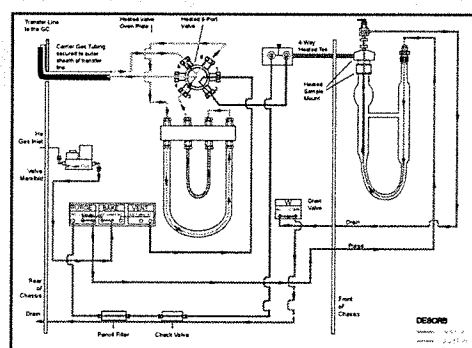
Guardian Foam Sensor

The sensor is mounted on the outside of the glassware thus never coming in contact with the sample.



Purge Flow Diagram

The Purge Flow Diagram shows the pneumatic representation of the purging process in which the VOCs are extracted.



Desorb Flow Diagram

The Desorb Flow Diagram shows the desorption and transfer of VOCs to the GC/ GC/MS.

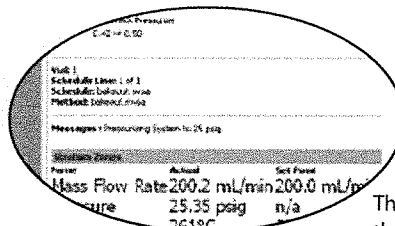
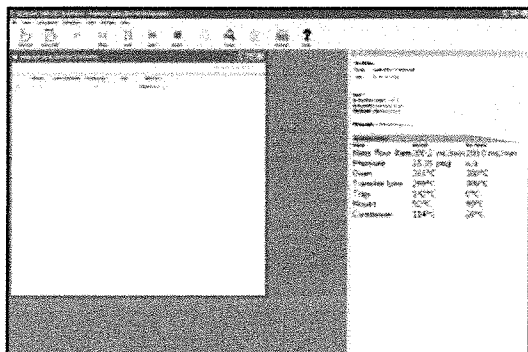
Ease of Operation of Maintenance—The design of the Stratum permits easy installation, monitoring and maintenance of consumable parts. Sample and gas lines are color coded for rapid identification. Internal components are carefully laid out and as a result, down time and cost of operation is kept to a minimum.

Water Management—Only Teledyne Tekmar offers the most comprehensive water management solution. The exclusive U-shaped trap and dry purge mode parameters have been optimized to dramatically reduce the amount of water being transferred to the GC column.

VOC TekLink™

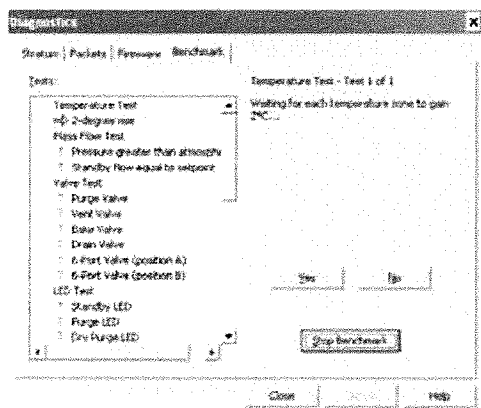
Fully Optimized User Interface

VOC TekLink™ software allows the user to enter all analysis parameters and then once actuated, will continuously monitor the system ensuring operating limits are not exceeded. VOC TekLink™ is capable of performing useful diagnostics such as leak and benchmark tests for validation. All instrument parameters, method scheduling, and editing can be programmed. VOC TekLink™ provides pre-developed methods, allowing startup with little or no modifications.

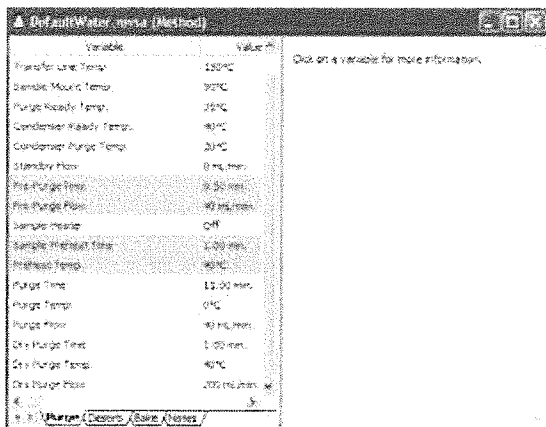


The Mode Details give you the status of the current leak check.

Leak Check Screen - The Leak Check screen identifies the region of the system that is being checked and the time remaining of the leak check.



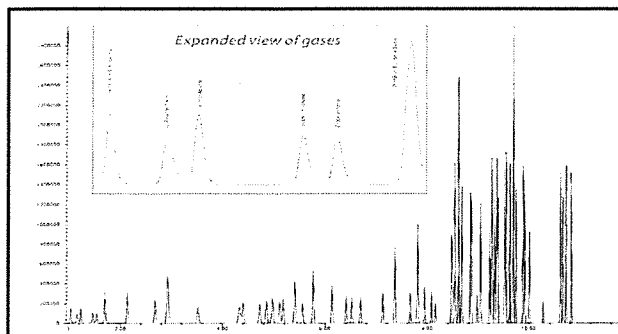
Benchmark Screen - The Benchmark screen contains an interactive program that tests heaters, LEDs, and the continuity of inputs and outputs on the CPU board. The results of the Benchmark Test are saved in the System History Log under the name entered before starting the benchmark.



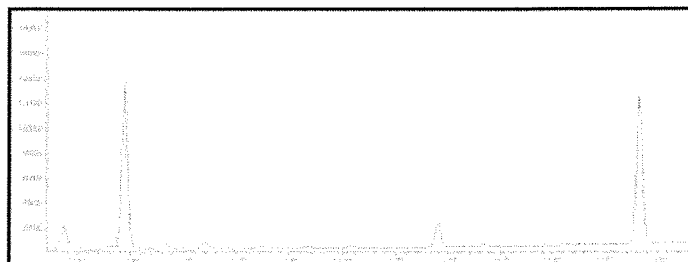
Method Development Screen - The VOC TekLink™ software comes pre-installed with methods for most applications. You can select one of these methods or if your application calls for a unique requirement, a customized method can be created to meet your analytical requirements for sample processing.

The Method Editor is broken into several tabs showing parameters that effect specific areas of a sample analysis: Purge, Desorb, and Bake. After creating customized methods, method schedules can be defined that specify samples, operating sequences, and the order in which they run.





Drinking Water Chromatogram showing 20 ng/mL of standard drinking water. Inset chromatogram shows an expanded view of the gases.



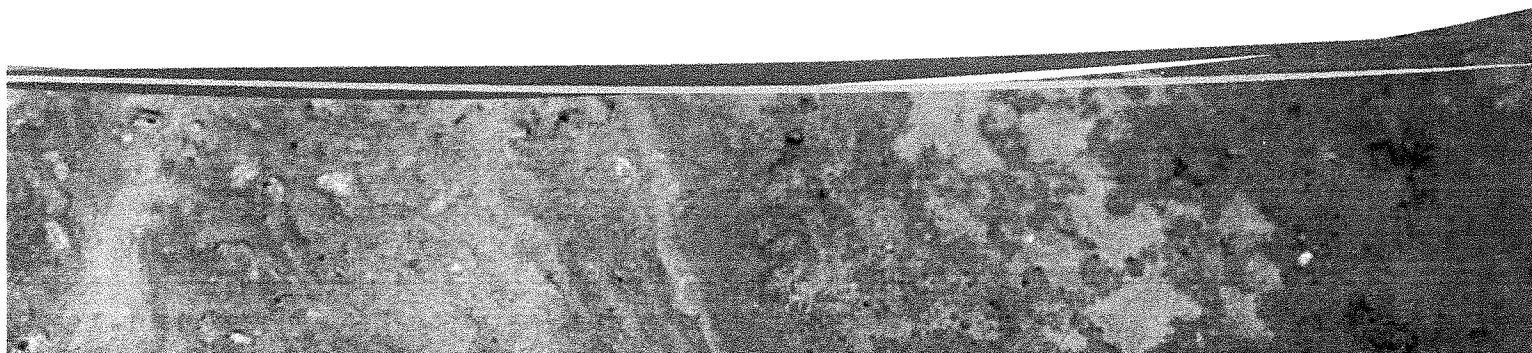
Total Ion Chromatogram of a 50 ppt Geosmin and 2-Methylisoborneol Standard using Split/Splitless Inlet Injection.

Stratum Specifications

Automation

| | |
|---------------------------------|---|
| Cycle Time: | The cycle time for the unit is 17 minutes when using an 11 minute purge time. This time also includes desorb, bake, and cool down for the Stratum PTC only and assumes ambient lab temperature. (20-22 °C). |
| Trap Furnace: | Ambient to 350 °C cools from 250 °C to 40 °C in 90 seconds or less at ambient lab temperatures (20-22 °C). |
| 6-port switching valve | Ambient to 300 °C actuated at 24 Volts (D.C.). |
| External Transfer Line | Ambient to 300 °C. |
| Sample Mount | Ambient to 100 °C. |
| Condenser | Ambient to 250 °C. |
| Sample Heater (optional) | Ambient to 90 °C. |
| Sample Pathway | All tubing has an Inertium® coating and related fittings are SilcoNert® 2000. |
| Gas Requirements | 99.999% Helium or Nitrogen |
| Electronic Mass Flow Controller | Device is capable of controlling flow rates between 5 mL/min to 500 mL/min. Each mode is independently controlled. Device also capable of recording pressures for sample logging and automatic leak checking. |
| Unit Dimensions | Height: 19.75 inches (50.17 cm) Width: 8 inches (20.32 cm) Depth 18.5 inches (46.99 cm) |
| Operating System | PC using Windows® XP or greater |
| Software | VOC TekLink™ interfaced via an RS-232 connection. |
| Operating Conditions | The system is capable of operating in Lab Temperatures between 10-30 °C and humidity levels between 10-90%. |
| Corrosion | The front cover is corrosion resistant to waters within a pH range of 1-10. |
| Voltages | 100/115VAC 50/60Hz 10 amps, 1150 watts 220/240VAC 50/60Hz, 5 amps, 1150 watts |
| Weight | 32 lbs (14.5 cm) |

Teflon® is a registered trademark of Dupont, Windows® is a registered trademark of Microsoft, PEEK™ is a trademark of Victrex PLC, SilcoNert® 2000 is a registered trademark of SilcoTek, Inertium® is a registered trademark of ACMX. TekLink™ is a registered trademark of Teledyne Tekmar Company. Covered by one or more of the following patents: 7,651,866; 6,280,688 and other patent pending.



System Control

| | |
|---|--|
| Instrument Control: | VOC TekLink™ software in a Windows® XP or greater environment. Via RS-232 or USB converter (optional). |
| Method Scheduling: | All method types can be run from any position in the sample sequence. Up to three standards can be added to any user-specified position. Multiple runs can be made from the same vial (not recommended). |
| System History: | The system records a complete history of all sample, schedule and method information. |
| 21 CFR Part 11 Compliance Tools: | VOC TekLink™ can be configured to allow for full 21 CFR Part 11 compliance tools to be available to the end user. |

Service

| | |
|-------------------------------|--|
| Electronic Leak Check: | Ability to leak check the entire sample pathway of the system via the automated Identileak System Check, which has built-in diagnostics that once a leak has been identified, the system will check 3 independent sub-systems for leaks. |
| Benchmark Test: | The system has a mode that will allow for full electromechanical testing including; valving, heaters, vial handling systems, liquid delivery system, inputs and outputs. |
| Diagnostics: | The system offers independent control of all valves, vial handling mechanisms and syringe drive for troubleshooting. |
| Email Alert: | The system can be configured to send an email to alert the user of schedule completion or stoppage. |
| Warranty: | The standard system is covered by a 1-year warranty on all parts excluding consumables. |

General Specifications

| | |
|--------------------------------------|---|
| Dimensions: | 26.5" (67.3 cm) H x 32.7" (83.1 cm) W x 23.3" (59.2 cm) D |
| Weight: | Unit weight: 95 lbs (43.1 kg) |
| Power Requirements: | 100/120/240 VAC (±10%) factory configured, 50/60 Hz, 10.0/5.0 A, 1200VA |
| Environmental Specifications: | Operating Temperature: 10° to 30 °C; Storage Temperature: -20° to 60 °C; Relative Humidity: 10% to 90%. |
| Corrosion Resistance: | The front cover and carousel tray are corrosion resistant to waters with a pH range of 1 to 10. |
| Certifications: | CE, CETL, CSA, ETL |

System Accessories

| | |
|------------------------------|---|
| Cryofocusing: | The system can be configured with an optional Cryofocusing Module and will allow for reconcentration of the sample at the head of the column to improve peak shape. The Cryofocusing Module is capable of trap temperatures down to -190 °C (based on 75 psig of liquid nitrogen). |
| Sparge Vessel Heater: | The system can have an optional sparge vessel heater added that will allow liquid samples to be heated during the purge mode to temperatures between 35 °C and 90 °C. |
| Vial Cooling: | Optional vial chilling allows for sample vials to be held at 4 °C until they are sampled. |
| Foam Eliminator: | The system can be equipped with an optical foam sensor that will sense any foaming during purge. The sensor can be configured to add anti-foam agent to the sample so that the sample can be completed. If these attempts to control the foaming do not work, the sample will be aborted and drained to minimize the risk of physical damage to the system. |



TELEDYNE TEKMAR

Everywhereyoulook™

www.tekmar.com



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4736 Socialville-Foster Rd. • Mason, OH 45040 USA
Phone: (513) 229-7000
90023_2/15

**Request for Taxpayer
Identification Number and Certification**

Give Form to the
requester. Do not
send to the IRS.

#24998

Name (as shown on your income tax return):
QA Group, LLC

Business name/disregarded entity name, if different from above:
Quantum Analytics

Check appropriate box for federal tax classification:
☐ Individual/sole proprietor ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate
☒ Limited liability company. Enter the tax classification (C= C corporation, S= S corporation, P= partnership) **C** ☐ Exempt payee
☐ Other (see instructions) **P**

Address (number, street, apt. no., or suite no.):
3400 EAST THIRD AVENUE
City, state, and ZIP code:
Foster City, CA 94404

List account number(s) here (optional):

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Notes: If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

| | | | | | | | | |
|------------------------|--|--|--|---|--|--|--|--|
| Social security number | | | | | | | | |
| | | | | - | | | | |

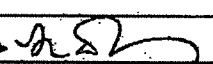
| | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|
| Employer identification number | | | | | | | | | |
| 9 | 4 | - | 3 | 4 | 0 | 2 | 7 | 3 | 4 |

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

Certification instructions: You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here: Signature of U.S. person  Date: 08/28/2014

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Notes: If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

Entered
8/28/14
SW



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

**5000113239 LABOR, MATERIALS AND EQUIPMENT NECESSARY TO
SUPPLY AND INSTALL A GAS CHROMATOGRAPH AND RELATED
ACCESSORIES**

Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

06-May-2015 02:36:25 PM

REJECTED
ALL BID REQUIREMENTS NOT MET



Bid Number 50 – 00113239

**LABOR, MATERIALS AND EQUIPMENT NECESSARY TO SUPPLY AND
INSTALL A GAS CHROMATOGRAPH AND RELATED ACCESSORIES FOR
THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS –WATER**

Bid Opening Date: June 2, 2015 at 2:00 p.m., local time

ATTENTION VENDORS!!!

**Please review all pages and respond accordingly, complying with all provisions
in the technical specifications and Jefferson Parish Instructions for Bidders and
General Terms and Conditions. All bids must be received in the Purchasing
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer's Name: Ms. Sidney Duffy, Buyer II
Buyer's Email: sduffy@jeffparish.net
Buyer's Phone: (504) 364-2682**