

Purchase Order # 370241N

Detail of Line # 1

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Acct ID	Proj ID	Org ID	Cst Pct
705-000	06002.01.141	1.20	100.00%

Full Description:

SERVICE PURCHASE ORDERGEOCHEMICAL ANALYSIS OF GROUNDWATER SAMPLES USING TWO METHODS: ICP200 - 18 EA @ \$15.00 = \$270.00 MS200 - 18 EA @ \$35.00 - \$630.00 SAMPLES TO BE SENT THURSDAY, JUNE 26, 2003 SAMPLES ARE NOT NEEDED BACK. 2 WEEK TURNAROUND TIME. QUALITY AFFECTING SERVICE.

Deliver to:

BRADLEY WERLING X6565



PURCHASE REQUISITION

SOUTHWEST RESEARCH INSTITUTE,™

DEPARTMENT

REQUISITION DATE <b>6/23/03</b>	ORDER DATE	PURCHASE ORDER NUMBER	REQ. NO. <b>✓ 639505</b>
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SUGGESTED OR PREVIOUS SUPPLIER <b>XRAL Laboratories</b>	DELIVER TO <i>B. Werling / DIV 20</i>	PURCHASING SELECTED SUPPLIER	
CITY, STATE <b>1885 Leslie St., Toronto Ontario M3B3J4</b>	SHIP VIA		
ATTN: <b>Bonnie White</b>	F.O.B.	SUPPLIER CODE	ATTN
PHONE <b>800 387-0255</b>	FAX <b>416 445-4152</b>	TERMS	PHONE FAX

LN.	QTY.	UNIT	DESCRIPTION	ORG	PROJECT	ACCT	%	DATE REQUIRED	EST. UNIT PRICE
A	18	each	Geochemical Analysis of groundwater samples using two methods: ICP200 and MS200 2-week turnaround time ✓ Quality Affecting Service XRAL Labs not on ASL (see attachment)	20	06002.01	141	100		\$15.00 (ICP200)
				20	06002.01	141	100		\$35.00 (MS200)

INTERNAL NOTES TO BUYER	SPECIAL INSTRUCTIONS TO SUPPLIER	TOTAL	<b>\$900.00</b>
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<p>1. Government Project? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>IF YES, CHECK THE APPROPRIATE PROPERTY TYPE (SEE BACK FOR EXPLANATION OF PROPERTY TYPES)</p> <p>a <input type="checkbox"/> G-1 CONSUMABLE</p> <p>b <input type="checkbox"/> G-2 DELIVERABLE</p> <p>c <input checked="" type="checkbox"/> G-3 ACCOUNTABLE / REPORTABLE</p> <p>d IS GOVT. PROPERTY BEING SENT TO SUPPLIER?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>	<p>2. QUALITY ASSURANCE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>a ASL REQUIRED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>b QA CODES: <b>see attachment</b></p> <p>c INSPECTION CRITERIA</p> <p>d QA APPROVAL (IF REQUIRED)</p> <p>DATE</p>	<p>3. SOURCING NOTES</p> <p>IF YOU HAVE SELECTED A BRAND NAME OR PARTICULAR MANUFACTURER, WOULD AN EQUIVALENT BRAND OR PRODUCT ALSO SATISFY YOUR NEED? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>IF YOU HAVE SUGGESTED A SUPPLIER, AND NO OTHER SUPPLIER WILL MEET YOUR NEEDS, PLEASE ATTACH A MEMO OF EXPLANATION.</p> <p>REQUESTOR'S SIGNATURE <i>B. Werling</i> EXT. NO. <i>6395</i></p> <p>DEPT. / DIVISION APPROVAL <i>[Signature]</i> DATE <i>6/23/03</i></p> <p>ADMIN. APPROVAL <i>[Signature]</i> DATE <i>6/23/03</i></p> <p><b>BUDHI SAGAR</b></p>	<p>4. REPAIRS</p> <p>a IS THIS REQ. FOR A REPAIR? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>b IS THE REPAIR ON OR OFF CAMPUS? <input type="checkbox"/> ON <input checked="" type="checkbox"/> OFF</p> <p>c IF OFF CAMPUS PROVIDE SHIPPING TICKET</p> <p>NO. _____</p>
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CONTRACT REVIEW APPROVAL	DATE	BUYER SIGNATURE	DATE	SEE INSTRUCTIONS ON REVERSE SIDE
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## **Attachment for Purchase Requisition for the Analysis of Quality Affecting Samples by XRAL Laboratories – a Supplier Not on the ASL**

We wish to have fourteen Nye County EWDP groundwater samples analyzed for metals by XRAL Laboratories. Two methods would be used to analyze the samples: ICP and ICP-MS. This would be part of an effort to test the reliability of data produced by XRAL Laboratories. Our quality assurance procedures allow for technical staff to use suppliers not on the ASL for quality affecting analytical services (QAP-016 Section 4.4.2). Two blind standards and two duplicate samples will be provided to confirm the precision and accuracy. The blind standards were solutions prepared by CNWRA personnel.

All fourteen groundwater samples being sent to XRAL Laboratories have already been analyzed by SwRI<sup>®</sup> Division 01. The samples were analyzed by the ICP method at SwRI. No ICP-MS analysis was performed by SwRI on these samples. Comparison of the XRAL data with the SwRI data will provide another measure of the quality of the XRAL analyses.

Bradley Werling

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
San Antonio, TX 78238-5166

**Purchase Order: 330972E**

Page: 1  
Date Printed: 08/05/2003

Order To: ISOTOPE PRODUCTS LABORATORIES  
1800 N. KEYSTONE STREET  
BURBANK, CA 91504

503250

Ship To: SOUTHWEST RESEARCH INSTITUTE  
6220 Culebra Road  
San Antonio, TX 78238-5166

Contact: KAREN LARA Ph: 818-843-7000 Fax: 818-843-6168

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO		
05/03	J Evans	NET 30	SHIPPING POINT		UPS RED	HAGEMAN/63/Bertetti/57		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
	***** * CONFIRMATION * ***** This is a rated order certified for national defense use, and the Contractor shall follow all requirements of the Defense Priorities Allocations System Regulation (15 CFR Part 700).							
1	MISC Np-237, 20 micro-curies in 5 mL flame sealed ampule, NIST traceable (+/- 5%) catalog # 7237  Mfg Part: 7237		EA	09/03/03	08/28/03	2.0000	3,400.0000	\$6,800.00
	Req: 03001784 QC Insp Required  Prime Contract #: NRC0202012      Priority: NONE AOP: 704-000 1.20      06002.01.141  REFERENCE QUOTE NUMBER Q6697-A DATED 6-28-2003. PLEASE SHIP UPS RED NEXT DAY AIR ON OUR UPS ACCOUNT NUMBER 752-709 FREIGHT COLLECT.  THE GENERAL PURCHASE ORDER TERMS AND CONDITIONS ATTACHED ARE MADE A PART OF THIS ORDER. PLEASE SIGN AND RETURN A PHOTOCOPY ACKNOWLEDGING ORDER WITHIN FIVE (5) WORKING DAYS.  AGREED & ACCEPTED: _____  DATE: _____  "IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."							

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
San Antonio, TX 78238-5166

**Purchase Order: 330972E**

Page: 2  
Date Printed: 08/05/2003

Order To: ISOTOPE PRODUCTS LABORATORIES  
1800 N. KEYSTONE STREET  
BURBANK, CA 91504

503250

Contact: KAREN LARA Ph: 818-843-7000 Fax: 818-843-6168

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO		
05/03	J Evans	NET 30	SHIPPING POINT		UPS RED	HAGEMAN/63/Bertetti/57		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
	Bill To: SOUTHWEST RESEARCH INSTITUTE P.O. Drawer 28510 Attention: Accounts Payable San Antonio, TX 78228-0510  <hr/> Authorized Signature(s)						PO Total Amt:	\$6,800.00

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
San Antonio, TX 78238-5166

**Purchase Order: 330236E**

Page: 1  
Date Printed: 03/12/2003

Order To: ISOTOPE PRODUCTS LABORATORIES  
1800 N. KEYSTONE STREET  
BURBANK, CA 91504

503250

Ship To: SOUTHWEST RESEARCH INSTITUTE  
6220 Culebra Road  
San Antonio, TX 78238-5166

Contact: JIM HORN Ph: 818-843-7000 Fax: 818-843-6168

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO		
03/07/03	J Evans	NET 30	SHIPPING POINT		FED. EXP. P-1	HAGEMAN/63/BERTETTI		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
1	MISC STANDARD SOLUTION #7237 NP-237 SOLUTION, 5 MICRO-CURIES IN 5 ML SOLUTION WITHIN A FLAME SEALED AMPULE  Mfg Part: 7237		EA	04/21/03	03/31/03	3.0000	2,685.0000	\$8,055.00
<p style="text-align: center;">***** * CONFIRMATION * *****</p> <p>This is a rated order certified for national defense use, and the Contractor shall follow all requirements of the Defense Priorities Allocations System Regulation (15 CFR Part 700).</p> <p style="text-align: right;">Req: 624886 QC Insp Required</p> <p>Prime Contract #: NRC0202012      Priority: NONE AOP: 704-000 1.20      06002.01.141</p> <p>NOTES: 1. RSO SHOULD REVIEW AND APPROVE IT. QUOTE ATTACHED, 3 SOLUTIONS, NOT 2 ARE REQUESTED. 2. SWRI QA RECEIVING INSPECTION CRITERIA: QAP-016 3. REFERENCE QUOTE NUMBER Q6260 DATED 2-18-2003 LINE ITEM 1 HOWEVER QUANTITY IS INCREASED FROM 2 TO 3 AMPOULES. 4. PLEASE SHIP FEDERAL EXPRESS PRIORITY ONE COLLECT ON OUR ACCOUNT NUMBER 0782-0001-4</p> <p>THE GENERAL PURCHASE ORDER TERMS AND CONDITIONS ATTACHED ARE MADE A PART OF THIS ORDER. PLEASE SIGN AND RETURN A PHOTOCOPY ACKNOWLEDGING ORDER WITHIN FIVE (5) WORKING DAYS.</p> <p>AGREED &amp; ACCEPTED: _____</p>								

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
San Antonio, TX 78238-5166

**Purchase Order: 330236E**

Page: 2  
Date Printed: 03/12/2003

Order To: ISOTOPE PRODUCTS LABORATORIES 503250  
1800 N. KEYSTONE STREET  
BURBANK, CA 91504

Contact: JIM HORN Ph: 818-843-7000 Fax: 818-843-6168

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO		
03/07/03	J Evans	NET 30	SHIPPING POINT		FED. EXP. P-1	HAGEMAN/63/BERTETTI		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
	<p>DATE: _____</p> <p>"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."</p> <p>Bill To: SOUTHWEST RESEARCH INSTITUTE P.O. Drawer 28510 Attention: Accounts Payable San Antonio, TX 78228-0510</p> <p>_____ Authorized Signatures</p>							
							PO Total Amt:	\$8,055.00



PURCHASE REQUISITION

SOUTHWEST RESEARCH INSTITUTE™

DEPARTMENT

REQUISITION DATE <b>2/21/03</b>	ORDER DATE	PURCHASE ORDER NUMBER	REQ. NO. <b>624886</b>
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SUGGESTED OR PREVIOUS SUPPLIER <b>Isotope Products Laboratories</b>	DELIVER TO	PURCHASING SELECTED SUPPLIER	
CITY, STATE <b>Valencia, CA 91359</b>	SHIP VIA		
ATTN: <b>Jim Horn</b>	F.O.B.	SUPPLIER CODE	ATTN
PHONE <b>661 309-1054</b>	FAX <b>661 257-8305</b>	TERMS	PHONE FAX

LN.	QTY.	UNIT	DESCRIPTION	ORG	PROJECT	ACCT	%	DATE REQUIRED	EST. UNIT PRICE
A	3	each	Standard solution #7237	20	06002.01	141	100	3/31/03	\$2,685.00
			Np237 solution, 5 micro-curies in 5 mL solution within a flame sealed ampule						
			RSO should review and approve tt. quote attached, <del>not</del> 3 solutions, not 2 are requested.						
			<i>"Quality Affecting Purchase"</i>						

**HOLD FOR RADIOLOGICAL SAFETY OFFICER**

*John P. Hazeman*

INTERNAL NOTES TO BUYER <b>deliver to SwRI RSO initially</b>	SPECIAL INSTRUCTIONS TO SUPPLIER	TOTAL
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<p>1. Government Project? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>IF YES, CHECK THE APPROPRIATE PROPERTY TYPE (SEE BACK FOR EXPLANATION OF PROPERTY TYPES)</p> <p>a <input checked="" type="checkbox"/> G-1 CONSUMABLE</p> <p>b <input type="checkbox"/> G-2 DELIVERABLE</p> <p>c <input type="checkbox"/> G-3 ACCOUNTABLE / REPORTABLE</p> <p>d IS GOVT. PROPERTY BEING SENT TO SUPPLIER?</p> <p><input type="checkbox"/> YES</p> <p><input type="checkbox"/> NO</p>	<p>2. QUALITY ASSURANCE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>a ASL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>vendor on ASL certificate of calibration and NIST traceability should be included</p> <p>c INSPECTION CRITERIA</p> <p>PI to inspect psc QAP-016 QA APPROVAL (IF REQUIRED) DATE <i>Sum... 2/21/03</i></p>	<p>3. SOURCING NOTES</p> <p>IF YOU HAVE SELECTED A BRAND NAME OR PARTICULAR MANUFACTURER, WOULD AN EQUIVALENT BRAND OR PRODUCT ALSO SATISFY YOUR NEED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>IF YOU HAVE SUGGESTED A SUPPLIER, AND NO OTHER SUPPLIER WILL MEET YOUR NEEDS, PLEASE ATTACH A MEMO OF EXPLANATION.</p> <p>REQUESTOR'S SIGNATURE <b>Paul Bertetti</b></p> <p>EXT. NO. <b>5228</b></p> <p>DEPT. / DIVISION APPROVAL <b>English Percy/Buohi Sagar</b></p> <p>DATE</p> <p>ADMIN. APPROVAL <i>[Signature]</i></p> <p>DATE <i>[Signature]</i></p>	<p>4. REPAIRS</p> <p>a IS THIS REQ. FOR A REPAIR? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>b IS THE REPAIR ON OR OFF CAMPUS? <input type="checkbox"/> ON <input type="checkbox"/> OFF</p> <p>c IF OFF CAMPUS PROVIDE SHIPPING TICKET</p> <p>NO. _____</p>
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CONTRACT REVIEW APPROVAL	DATE	BUYER SIGNATURE	DATE	SEE INSTRUCTIONS ON REVERSE SIDE
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**Isotope Products  
Laboratories**  
An Eckert & Ziegler Company

24937 Avenue Tibbitts, Valencia, Ca 91355

Tel(661)309-1054 Fax(661)257-8305

e-mail: jhorn@isotopeproducts.com

**Quotation #Q6260**

**DATE:** February 18, 2003  
**ATTN:** Paul Bentetti  
**COMPANY:** SW Research Institute  
**PHONE:** 210 522-5228  
**FAX:** 210 522-5184

*Note 3 vials will be ordered @ same price ea.*

**Terms:** Net 30      **Delivery:** 4-6 weeks ARO      **Quotation Valid for 30 Days**  
**F.O.B. Destination**      **Shipping terms:** Prepay and Add

Item No.	Product Code	Description	Price/ea.	Total
1	7237	5 uCi Np237 in 4M nitric solution, 5ml Flame sealed ampoule - qty 2	\$2685	\$5370
2	EAB-7601-50LB	50.8mm Overall dia SS disk, x 45mm active dia; 7600 multiline solution with 3% Am241 deposited onto a polymeric membrane, sealed with a 0.9mg/cm <sup>2</sup> aluminized Mylar cover.	\$1075	\$1075
3	GF-7601-M	25.4mm Overall dia source, 7600 multiline solution with 3% Am241 deposited onto a polyimide film, sealed with a 0.9mg/cm <sup>2</sup> aluminized Mylar cover	\$1025	\$1025
		<b>NOTE: IPL recommends a copy of the quote to be included with the order. Price does not include freight, handling and insurance charges</b>		

IPL Returns Policy is as follows: Customers have 60 days from time of original shipment to report a defect, customers then have 30 days from time of report to return defective material. If above conditions are not met, credits will not be issued.

To place an order please contact me at (661) 309-1054  
And/or fax in a copy of the confirming Purchase Order to (661) 257-8305

Jim Horn  
Industrial Products Business Manager

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
 San Antonio, TX 78238-5166

**Purchase Order: 370211N**

Page: 1  
 Date Printed: 10/11/2002

Order To: GEOCHRON LABORATORIES  
 711 CONCORD AVE  
 CAMBRIDGE, MA 02138-1002

502667

Ship To: SOUTHWEST RESEARCH INSTITUTE  
 6220 Culebra Road  
 San Antonio, TX 78238-5166

Ph: 617-876-3691 Fax: 617-661-0148

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO			
10/11/02	Eva Mendez	NET 30	SHIPPING POINT		MAIL	BRADLEY WERLING X6565			
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST	
	***** * CONFIRMATION * ***** This is a rated order certified for national defense use, and the Contractor shall follow all requirements of the Defense Priorities Allocations System Regulation (15 CFR Part 700). *****								
	[REDACTED] SERVICE PURCHASE ORDER STABLE ISOTOPE RATIO ANALYSIS OF WATER SAMPLES FOR OXYGEN, HYDROGEN AND TOTAL INORGANIC CARBONA (2 EA @ \$140 = \$280.00) Req: 600588 Prime Contract #: NRC0202012 Priority: NONE AOP: 705-000 1.20 06002.01.141 THE GENERAL PURCHASE ORDER TERMS AND CONDITIONS ATTACHED ARE MADE A PART OF THIS ORDER. PLEASE SIGN AND RETURN A PHOTOCOPY ACKNOWLEDGING ORDER WITHIN FIVE (5) WORKING DAYS. AGREED & ACCEPTED: _____ DATE: _____ "IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HEREWITH IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS." Bill To: SOUTHWEST RESEARCH INSTITUTE			EA	10/11/02	10/11/02	1.0000	280.0000	\$280.00

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
 San Antonio, TX 78238-5166

**Purchase Order: 370211N**

Page: 2  
 Date Printed: 10/11/2002

Order To: GEOCHRON LABORATORIES  
 711 CONCORD AVE  
 CAMBRIDGE, MA 02138-1002

502667

Ph: 617-876-3691 Fax: 617-661-0148

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO		
10/11/02	Eva Mendez	NET 30	SHIPPING POINT		MAIL	BRADLEY WERLING X6565		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
	P.O. Drawer 28510 Attention: Accounts Payable San Antonio, TX 78228-0510						PO Total Amt:	\$280.00
	<hr/> Authorized Signatures							



Attachment for Purchase Requisition for the Analysis of Quality Affecting Samples by  
Goechron Laboratories - a Supplier Not on the ASL

This analysis by Geochron Laboratories (GL) is done in conjunction with the analysis of EWDP groundwater samples sent to Coastal Science Labs (CSL). The GL analysis is intended to provide a quality check for the CSL analysis. We are having CSL analyze some Nye County EWDP groundwater samples for stable isotope ratios for hydrogen, oxygen, and carbon. The analysis would be classified as a quality affecting service. No supplier on the ASL can perform this analysis. Therefore these samples were sent to a supplier not listed on the ASL (CSL) that we have used in the past for stable isotope ratio analysis. Acceptance criteria details for the CSL samples are identified in the purchase order document (PO # 394890X). We were unable to include a blind standard with the EWDP samples sent to CSL. Instead we wanted to test the quality of the CSL work by sending aliquots of the EWDP samples to another lab. Unfortunately the EWDP sample volumes were not large enough to permit sample splitting. Instead, we decided to generate a blank sample consisting of tap water and send this sample to two different labs (CSL and GL). GL, another company we have used in the past for stable isotope analysis, was selected as the second lab. Four "blank" samples were collected (see attachment). Two of the blank samples were sent to CSL with the EWDP samples. Two of the blank samples will be sent to GL for analysis. We intend to compare the results from the two labs as a quality checking measure.

Bradley Werling

3 October 2002

30CT02  
BAW

QA Samples for Stable Isotope Analysis

Blanks will be used to investigate the quality of work of Coastal Science Labs stable isotope analysis of EWDP groundwater samples. Tap water will be used as the blank. Four 1L HDPE bottles filled with tap water will be used. Tap water will be run for 5 minutes. Then a single 1L bottle will be rinsed three times with this tap water. The bottle will then be filled completely (minimize headspace) with tap water and capped. This procedure will be repeated for the three other bottles. Two bottles will be sent to Coastal Science Labs. These were labeled CNWRA 28+29. Two bottles will be sent to Geochron Labs (labelled CNWRA 30+31).

Tap water from Building 57 Lab 106 (1st room with exit door) cold water line

After samples labeled they were stored in Bld 57 lab 104 refrigerator

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
San Antonio, TX 78238-5166

**Purchase Order: 394890X**

Page: 1  
Date Printed: 10/04/2002

Order To: COASTAL SCIENCE LAB, INC  
6000 MT. SHADOWS DRIVE  
AUSTIN, TX 78735

502677

Ship To: SOUTHWEST RESEARCH INSTITUTE  
6220 Culebra Road  
San Antonio, TX 78238-5166

Contact: RICHARD ANDERSON

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO		
10/4/02	Adolfo Puente	NET 30	SHIPPING POINT		N/A	B. WERLING X6565		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
1	<p>***** * CONFIRMATION * ***** This is a rated order certified for national defense use, and the Contractor shall follow all requirements of the Defense Priorities Allocations System Regulation (15 CFR Part 700). *****</p> <p>SERVICES 01 SERVICE PURCHASE ORDER (29 EA @ \$85.00) STABLE ISOTOPE RATIO ANALYSIS OF WATER SAMPLES OXYGEN AND HYDROGEN 29 EA. X \$85.00 = \$2,465.00</p> <p>(27 EA @ \$40.00) STABLE ISOTOPE RATIO ANALYSIS OF WATER SAMPLES D/C 13c/12c. 29 EA. X \$40.00 = \$1,160.00.</p> <p>SERVICE- ANALYSIS OF SAMPLES</p> <p>Req: 600587</p> <p>Prime Contract #: NRC0297009      Priority: NONE AOP: 705-000 1.20      01402.871</p> <p>THE GENERAL PURCHASE ORDER TERMS AND CONDITIONS ATTACHED ARE MADE A PART OF THIS ORDER. PLEASE SIGN AND RETURN A PHOTOCOPY ACKNOWLEDGING ORDER WITHIN FIVE (5) WORKING DAYS.</p> <p>AGREED &amp; ACCEPTED: _____</p> <p>DATE: _____</p> <p>"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HEREWITH IS CONSIDERED GOVERNMENT-FURNISHED</p>					1.0000	3,625.0000	\$3,625.00

*6002.01.141*

**SOUTHWEST RESEARCH INSTITUTE**

6220 Calebra Road  
San Antonio, TX 78238-5166

**Purchase Order: 394890X**

Page: 2  
Date Printed: 10/04/2002

Order To: COASTAL SCIENCE LAB, INC  
6000 MT. SHADOWS DRIVE  
AUSTIN, TX 78735

502677

Contact: RICHARD ANDERSON

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO		
10/04/02	Adolfo Puente	NET 30	SHIPPING POINT		N/A	B. WERLING X6565		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
	<p>PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."</p> <p>Your organization will provide services to the Center for Nuclear Waste Regulatory Analyses(CNWRA) in accordance with the requirements of your quality system or that of the CNWRA Quality Assurance Manual. any special technical or QA procedures required in the performance of your staff members' work will be provided. Special CNWRA requirements apply to scientific and engineering software and must be followed. Your organization's product will be accepted based on an evaluation by the CNWRA Principal Investigator or technical staff member and will be returned for rework at Seller's expense if the product does not meet CNWRA requirements. If scientific notebooks are utilized, they are subject to periodic review and must be returned at the conclusion of work to the CNWRA QA Records Room, or invoice remittance will be withheld. Additionally, there shall be "right of access" to your facility to confirm effective implementation of the quality requirements with the possibility of audits, source inspections, or surveillances. Any special documentation requirements shall be specified in the purchase order and will be supplied to the CNWRA with the product. The Seller shall notify CNWRA QA of any nonconformance to the requirements of this purchase order; further work shall not be done unless directed by CNWRA Director of QA at (210) 522-5149.</p> <p>SERVICES RENDERED BY SELLER FOR INSTITUTE AND SELLER'S AND INSTITUTE'S RESPECTIVE RELATIONSHIP IN ALL MATTERS RELATED TO THIS PURCHASE ORDER SHALL BE AS INDEPENDENT CONTRACTOR AND NOT AS EMPLOYEE, AGENT OR SERVANT. SELLER SHALL OBEY ALL FEDERAL, STATE, AND LOCAL SAFETY AND HEALTH REGULATIONS IN THE PERFORMANCE OF THE SERVICES TO BE SUPPLIED HEREUNDER, AND WHILE ON THE PREMISES OF THE INSTITUTE.</p> <p>SELLER HEREBY AGREES TO FOREVER RELEASE &amp; HOLD HARMLESS INSTITUTE FROM ANY &amp; ALL CAUSE OR CAUSES OF ACTION, INCLUDING PERSONAL INJURY, ILLNESS, DEATH, &amp; PROPERTY DAMAGE, COSTS, CHARGES, CLAIMS, DEMANDS, &amp; LIABILITIES OF WHATEVER KIND, NAME</p>							

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
San Antonio, TX 78238-5166

**Purchase Order: 394890X**

Page: 3  
Date Printed: 10/04/2002

Order To: COASTAL SCIENCE LAB, INC  
6000 MT. SHADOWS DRIVE  
AUSTIN, TX 78735

502677

Contact: RICHARD ANDERSON

ORDER DATE	BUYER	TERMS	FOB	SALES ORDER	SHIP VIA	DELIVER TO		
10/04/02	Adolfo Puente	NET 30	SHIPPING POINT		N/A	B. WERLING X6565		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
	<p>OR NATURE, ARISING FROM THE PERFORMANCE OF ANY SERVICES HEREUNDER AND HOWSOEVER THE SAME BE CAUSED; EXCEPT AS A RESULT OF THE SOLE NEGLIGENCE OF THE INSTITUTE.</p> <p>CONTRACTOR INSURANCE - SELLER SHALL COMPLY WITH THE INSURANCE REQUIREMENTS EXHIBIT ATTACHED TO THIS PURCHASE ORDER AND PROVIDE CERTIFICATE OF INSURANCE MEETING THESE REQUIREMENTS PRIOR TO THE START OF WORK. FAILURE TO COMPLY CAN RESULT IN DELAY OF PAYMENT.</p> <p>BY ACCEPTANCE OF THIS PURCHASE ORDER FOR THE PERFORMANCE OF SERVICES REQUIRED, THE SELLER AGREES AND COVENANTS THAT THE FOLLOWING CONDITIONS ARE MET WHEN PROVIDING ANY EMPLOYEE OF SELLER:</p> <p>1. NONE OF SELLER'S EMPLOYEES WHO PROVIDE SERVICES TO BUYER PURSUANT TO THIS PURCHASE ORDER ARE UNAUTHORIZED ALIENS AS DEFINED IN THE IMMIGRATION REFORM AND CONTROL ACT OF 1986; AND</p> <p>2. IF SELLER'S EMPLOYEES ARE FOREIGN NATIONAL WORKERS PRESENT IN THE UNITED STATES UNDER A NONIMMIGRANT VISA CATEGORY THAT CARRIES AUTHORIZATION TO WORK, SELLER WILL FURNISH TO BUYER A COPY OF THE APPROPRIATE WORK AUTHORIZATION DOCUMENT FOR EACH FOREIGN NATIONAL WORKER VERIFYING THE WORK AUTHORIZATION, INCLUDING BUT NOT LIMITED TO COPY OF EMPLOYMENT AUTHORIZATION DOCUMENT, APPROVED FORM I-797 AND CERTIFIED LABOR CONDITION APPLICATION, OR OTHER ACCEPTABLE DOCUMENTATION. SUCH EMPLOYEES WILL ONLY BE UTILIZED TO PERFORM SERVICES WHICH ARE NOT EXPORT CONTROLLED; AND</p> <p>3. ALL OF SELLER'S EMPLOYEES WHO ARE TO PERFORM SERVICES WHICH</p>							

**SOUTHWEST RESEARCH INSTITUTE**

6220 Culebra Road  
 San Antonio, TX 78238-5166

**Purchase Order: 394890X**

Page: 4  
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LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
	ARE EXPORT CONTROLLED SHALL BE UNITED STATES CITIZENS OR LEGAL PERMANENT RESIDENTS OF THE UNITED STATES.							
	Bill To: SOUTHWEST RESEARCH INSTITUTE P.O. Drawer 28510 Attention: Accounts Payable San Antonio, TX 78228-0510						PO Total Amt:	\$3,625.00
	<hr/> Authorized Signatures							



PURCHASE REQUISITION

SOUTHWEST RESEARCH INSTITUTE™

DEPARTMENT

REQUISITION DATE	ORDER DATE	PURCHASE ORDER NUMBER	REQ. NO. ✓ 600587
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SUGGESTED OR PREVIOUS SUPPLIER <b>Coastal Science Laboratories</b>		DELIVER TO	PURCHASING SELECTED SUPPLIER	
CITY, STATE		SHIP VIA		
ATTN:		F.O.B.	SUPPLIER CODE	ATTN
PHONE <b>512 288-5533</b>	FAX	TERMS	PHONE	FAX

LN.	QTY.	UNIT	DESCRIPTION	ORG	PROJECT	ACCT	%	DATE REQUIRED	EST. UNIT PRICE
A	27	each	Stable isotope ratio analysis of water samples oxygen and hydrogen	20	01402	871	100		\$85.00
B	27	each	Stable isotope ratio analysis of water samples D/C <sup>13</sup> C/ <sup>12</sup> C	20	01402	871	100		\$40.00
			Service -- Analysis of samples [Attachments]						

INTERNAL NOTES TO BUYER	SPECIAL INSTRUCTIONS TO SUPPLIER <b>Bradley Werling/Bldg. 57</b>	TOTAL
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<p>1. Government Project? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>IF YES, CHECK THE APPROPRIATE PROPERTY TYPE (SEE BACK FOR EXPLANATION OF PROPERTY TYPES)</p> <p>a <input type="checkbox"/> G-1 CONSUMABLE</p> <p>b <input type="checkbox"/> G-2 DELIVERABLE</p> <p>c <input checked="" type="checkbox"/> G-3 ACCOUNTABLE / REPORTABLE</p> <p>d IS GOVT. PROPERTY BEING SENT TO SUPPLIER?</p> <p><input type="checkbox"/> YES</p> <p><input checked="" type="checkbox"/> NO</p>	<p>2. QUALITY ASSURANCE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>a ASL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p><b>Quality affecting service Supplier not on ASL see attachments</b></p> <p>c INSPECTION CRITERIA <b>Q20</b></p> <p>d QA APPROVAL (IF REQUIRED) DATE <i>[Signature]</i> 9/30/02</p>	<p>3. SOURCING NOTES</p> <p>IF YOU HAVE SELECTED A BRAND NAME OR PARTICULAR MANUFACTURER, WOULD AN EQUIVALENT BRAND OR PRODUCT ALSO SATISFY YOUR NEED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>IF YOU HAVE SUGGESTED A SUPPLIER, AND NO OTHER SUPPLIER WILL MEET YOUR NEEDS, PLEASE ATTACH A MEMO OF EXPLANATION.</p> <p>REQUESTOR'S SIGNATURE: <b>B. Werling</b> EXT. NO. <b>6565</b></p> <p>DEPT. / DIVISION APPROVAL: <b>E. Percy</b> DATE: <b>9/24/02</b></p> <p>ADMIN. APPROVAL: DATE</p>	<p>4. REPAIRS</p> <p>a IS THIS REQ. FOR A REPAIR? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>b IS THE REPAIR ON OR OFF CAMPUS? <input type="checkbox"/> ON <input type="checkbox"/> OFF</p> <p>c IF OFF CAMPUS PROVIDE SHIPPING TICKET</p> <p>NO. _____</p>
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CONTRACT REVIEW APPROVAL	BUYER SIGNATURE	DATE	SEE INSTRUCTIONS ON REVERSE SIDE
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*PI to inspect per QAP 016 dated 9/30/02*



**PURCHASE REQUISITION  
SOUTHWEST RESEARCH INSTITUTE™**

REQUISITION DATE	ORDER DATE	PURCHASE ORDER NUMBER	REQ. NO.
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SUGGESTED OR PREVIOUS SUPPLIER	DELIVER TO	PURCHASING SELECTED SUPPLIER	
CITY, STATE <b>TO ART RAMOS</b>	SHIP VIA	<b>Coastal Science Laboratories</b>	
ATTN:	F.O.B.	SUPPLIER CODE	ATTN:
PHONE	TERMS	PHONE <b>(512) 288-5533</b>	FAX

LN.	QTY.	UNIT	DESCRIPTION	ORG	PROJECT	ACCT	%	DATE REQUIRED	EST. UNIT PRICE
<b>A</b>	<b>27</b>	<b>eq</b>	<b>stable isotope ratio analysis of water samples - oxygen + hydrogen</b>	<b>20</b>	<b>01402</b>	<b>871</b>	<b>100</b>		<b>85</b>
<b>B</b>	<b>27</b>	<b>eq</b>	<b>stable isotope ratio analysis of water samples - DIC <sup>13</sup>C/<sup>12</sup>C</b>	<b>20</b>	<b>01402</b>	<b>821</b>	<b>100</b>		<b>40</b>

INTERNAL NOTES TO BUYER	SPECIAL INSTRUCTIONS TO SUPPLIER	<b>TOTAL</b>	<b>3375.00</b>
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<p>1. Government Project? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>IF YES, CHECK THE APPROPRIATE PROPERTY TYPE (SEE BACK FOR EXPLANATION OF PROPERTY TYPES.)</p> <p><i>Service - Analysis of samples</i></p> <p>a. <input type="checkbox"/> G-1 CONSUMABLE</p> <p>b. <input type="checkbox"/> G-2 DELIVERABLE</p> <p>c. <input type="checkbox"/> G-3 ACCOUNTABLE / REPORTABLE</p> <p>d. IS GOVT. PROPERTY BEING SENT TO SUPPLIER <input type="checkbox"/> YES <input type="checkbox"/> NO</p>	<p>2. QUALITY ASSURANCE? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>a. ASL REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>b. QA CODES <i>Quality affecting service - Supplier not on ASL - see attachments</i></p> <p>c. INSPECTION CRITERIA</p> <p>d. QA APPROVAL (IF REQUIRED) _____ DATE _____</p>	<p>3. SOURCING NOTES</p> <p>IF YOU HAVE SELECTED A BRAND NAME OR PARTICULAR MANUFACTURER, WOULD AN EQUIVALENT BRAND OR PRODUCT ALSO SATISFY YOUR NEEDS? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>IF YOU HAVE SUGGESTED A SUPPLIER AND NO OTHER SUPPLIER WILL MEET YOUR NEEDS, PLEASE ATTACH MEMO OR EXPLANATION.</p> <p>REQUESTOR'S SIGNATURE <i>Brad Huling</i> EXT. NO. <i>6565</i></p> <p>DEPT./DIVISION APPROVAL _____ DATE _____</p> <p>ADMIN. APPROVAL _____ DATE _____</p>	<p>4. REPAIRS</p> <p>a. IS THIS REQ. FOR REPAIRS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>b. IS THE REPAIR ON OR OFF CAMPUS? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>c. IF OFF CAMPUS, PROVIDE SHIPPING TICKET NO. _____</p>
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CONTRACT REVIEW APPROVAL	BUYER SIGNATURE	DATE	SEE INSTRUCTIONS ON REVERSE SIDE
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Attachment for Purchase Requisition for the Analysis of Quality Affecting Samples by Coastal Science Laboratories - a Supplier Not on the ASL

We wish to have some Nye County EWDP groundwater samples analyzed for stable isotope ratios for hydrogen, oxygen, and carbon. The analysis would be classified as a quality affecting service. No supplier on the ASL can perform this analysis. Therefore we will send these samples to a supplier not listed on the ASL (Coastal Science Laboratories) that we have used in the past for stable isotope ratio analysis. Our quality assurance procedures allow for technical staff to use suppliers not on the ASL for quality affecting analytical services (QAP-016 Section 4.4.2). For this particular type of analysis, we do not have a blind standard that we can send with these samples. Therefore, in accordance with QAP-016 Section 7.3.2, the testing shall be accomplished pursuant to an internationally accepted method. This method for stable isotope analysis is described in the second paragraph of the attachment. This attachment comes from the Coastal Science Laboratories website (<http://www.csl-sira.com>). The reference material for hydrogen and oxygen analysis is SMOW and the reference material for the carbon analysis is PDB. In this case, we will accept the analysis from this non ASL supplier based on their use of internationally accepted test method.

We will send duplicate samples to Coastal Science Laboratories. Furthermore, Coastal Science Laboratories will also, when sample size permits, repeat analysis on 15 to 20% of all samples. Duplicate samples can help determine the precision of the analysis. However, this precision will not be used as a criterion for acceptance of the analytical service. The analytical service will be accepted based on the use of an internationally accepted test method.

Bradley Werling

## Coastal Science Laboratories

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# Quality Control

While the technology of isotopic analysis is well advanced, it is the nature of all scientific endeavors that no single measurement is absolutely assured of accuracy. Analytical reproducibility (precision) inspires confidence in the accuracy of results and is a primary tool in our quality control program. When sample size permits, CSL routinely repeats the analysis of 15 to 20% of all samples. The choice of which samples to repeat is often made on the basis of anomalies in perceived patterns in the data which we feel the client would also choose to double check. With limited information on the nature of most samples sets, however, it is possible that other data may be the cause of concern and we will be glad to repeat a reasonable number of analyses to produce confidence in the data. We also encourage the client to include blind replicates in the sample set.

The other half of our quality control program involves the daily analysis of reference materials and laboratory standards. Laboratory standards have been chosen over the years by CSL to closely resemble the sample types we routinely analyze. These standards are compared over long periods of time to reference materials which have been circulated among the international geochemical community in order to establish well defined isotopic values. As technology and methods advance in this field, we will strive to keep current with all applicable adjustments in values and additions to the list of distributed materials.

Final data reports include our estimates of the overall accuracy of the data for that job. These estimates conservatively describe the accuracy of the method applied over years to similar sample types in our lab and include the variabilities introduced by the sample preparation and instrumental measurement.

It is important for the new entrant to stable isotopes to realize that while every effort is made for accurate measurement of the sample provided, variations in preparation, preservation and methods of analysis can produce significant differences in isotope ratio results. In addition, the nature of the sample material dictates the methods of preparation and analysis - some of which are currently more problematic than routine. The geochemical community is continuously involved in discussions of the best methods for accurate results of particular sample types. We would be glad to discuss these issues as well as novel approaches to problem solving with the client with regard to their sample set.



[\[Isotopes 101\]](#) [\[Analytical Services\]](#) [\[Client Data\]](#) [\[About CSL\]](#)  
[\[Application Notes\]](#) [\[Sample Submittal\]](#) [\[Isotope Links\]](#) [\[Contact CSL\]](#)

# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

JUSTIFICATION FOR ITEMS ON PURCHASE REQUISITION NUMBER:

SUGGESTED VENDOR: (If Applicable) Coastal Science Laboratories

Item: A Characterization of groundwater samples from Nye County  
Early Warning Drilling Program wells located in potential flow path between  
Yucca Mountain and Amargosa Valley (hydrogen + oxygen stable  
isotope analysis).

Item: B Characterization of ground water samples from Nye County  
Early Warning Drilling Program wells located in potential flow  
path between Yucca Mountain and Amargosa Valley (carbon  
stable isotope analysis).

Item:

Bradley A. Wilson 9-25-2002  
SIGNATURE DATE

**SOUTHWEST RESEARCH INSTITUTE**

6220. Culebra Road  
San Antonio, TX 78238-5166

**Purchase Order: 394890X**

Page: 1  
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Ship To: SOUTHWEST RESEARCH INSTITUTE  
6220 Culebra Road  
San Antonio, TX 78238-5166

Contact: RICHARD ANDERSON

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10/4/02	Adolfo Puente	NET 30	SHIPPING POINT		N/A	B. WERLING X6565		
LINE	ITEM/DESCRIPTION	REV	U/M	DUE DATE	DESIRED DATE	QUANTITY	NET UNIT COST	EXTENDED COST
1	<p>***** * CONFIRMATION * * DUPLICATE PO * *****</p> <p>This is a rated order certified for national defense use, and the Contractor shall follow all requirements of the Defense Priorities Allocations System Regulation (15 CFR Part 700).</p> <p>SERVICES 01 SERVICE PURCHASE ORDER (29 EA @ \$85.00) STABLE ISOTOPE RATIO ANALYSIS OF WATER SAMPLES OXYGEN AND HYDROGEN 29 EA. X \$85.00 = \$2,465.00</p> <p>(27 EA @ \$40.00) STABLE ISOTOPE RATIO ANALYSIS OF WATER SAMPLES D/C 13c/12c. 29 EA. X \$40.00 = \$1,160.00.</p> <p>SERVICE- ANALYSIS OF SAMPLES</p> <p>Req: 600587</p> <p>Prime Contract #: NRC0202012      Priority: NONE AOP: 705-000 1.20      06002.01.141</p> <p>THE GENERAL PURCHASE ORDER TERMS AND CONDITIONS ATTACHED ARE MADE A PART OF THIS ORDER. PLEASE SIGN AND RETURN A PHOTOCOPY ACKNOWLEDGING ORDER WITHIN FIVE (5) WORKING DAYS.</p> <p>AGREED &amp; ACCEPTED: _____</p> <p>DATE: _____</p> <p>"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY</p>			JOB 11/04/02	11/04/02	1.0000	3,625.0000	\$3,625.00

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	<p>PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."</p> <p>Your organization will provide services to the Center for Nuclear Waste Regulatory Analyses(CNWRA) in accordance with the requirements of your quality system or that of the CNWRA Quality Assurance Manual. any special technical or QA procedures required in the performance of your staff members' work will be provided. Special CNWRA requirements apply to scientific and engineering software and must be followed. Your organization's product will be accepted based on an evaluation by the CNWRA Principal Investigator or technical staff member and will be returned for rework at Seller's expense if the product does not meet CNWRA requirements. If scientific notebooks are utilized, they are subject to periodic review and must be returned at the conclusion of work to the CNWRA QA Records Room, or invoice remittance will be withheld. Additionally, there shall be "right of access" to your facility to confirm effective implementation of the quality requirements with the possibility of audits, source inspections, or surveillances. Any special documentation requirements shall be specified in the purchase order and will be supplied to the CNWRA with the product. The Seller shall notify CNWRA QA of any nonconformance to the requirements of this purchase order; further work shall not be done unless directed by CNWRA Director of QA at (210) 522-5149.</p> <p>SERVICES RENDERED BY SELLER FOR INSTITUTE AND SELLER'S AND INSTITUTE'S RESPECTIVE RELATIONSHIP IN ALL MATTERS RELATED TO THIS PURCHASE ORDER SHALL BE AS INDEPENDENT CONTRACTOR AND NOT AS EMPLOYEE, AGENT OR SERVANT. SELLER SHALL OBEY ALL FEDERAL, STATE, AND LOCAL SAFETY AND HEALTH REGULATIONS IN THE PERFORMANCE OF THE SERVICES TO BE SUPPLIED HEREUNDER, AND WHILE ON THE PREMISES OF THE INSTITUTE.</p> <p>SELLER HEREBY AGREES TO FOREVER RELEASE &amp; HOLD HARMLESS INSTITUTE FROM ANY &amp; ALL CAUSE OR CAUSES OF ACTION, INCLUDING PERSONAL INJURY, ILLNESS, DEATH, &amp; PROPERTY DAMAGE, COSTS,</p>							

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	<p>CHARGES, CLAIMS, DEMANDS, &amp; LIABILITIES OF WHATEVER KIND, NAME OR NATURE, ARISING FROM THE PERFORMANCE OF ANY SERVICES HEREUNDER AND HOWSOEVER THE SAME BE CAUSED; EXCEPT AS A RESULT OF THE SOLE NEGLIGENCE OF THE INSTITUTE.</p> <p>CONTRACTOR INSURANCE - SELLER SHALL COMPLY WITH THE INSURANCE REQUIREMENTS EXHIBIT ATTACHED TO THIS PURCHASE ORDER AND PROVIDE CERTIFICATE OF INSURANCE MEETING THESE REQUIREMENTS PRIOR TO THE START OF WORK. FAILURE TO COMPLY CAN RESULT IN DELAY OF PAYMENT.</p> <p>BY ACCEPTANCE OF THIS PURCHASE ORDER FOR THE PERFORMANCE OF SERVICES REQUIRED, THE SELLER AGREES AND COVENANTS THAT THE FOLLOWING CONDITIONS ARE MET WHEN PROVIDING ANY EMPLOYEE OF SELLER:</p> <p>1. NONE OF SELLER'S EMPLOYEES WHO PROVIDE SERVICES TO BUYER PURSUANT TO THIS PURCHASE ORDER ARE UNAUTHORIZED ALIENS AS DEFINED IN THE IMMIGRATION REFORM AND CONTROL ACT OF 1986; AND</p> <p>2. IF SELLER'S EMPLOYEES ARE FOREIGN NATIONAL WORKERS PRESENT IN THE UNITED STATES UNDER A NONIMMIGRANT VISA CATEGORY THAT CARRIES AUTHORIZATION TO WORK, SELLER WILL FURNISH TO BUYER A COPY OF THE APPROPRIATE WORK AUTHORIZATION DOCUMENT FOR EACH FOREIGN NATIONAL WORKER VERIFYING THE WORK AUTHORIZATION, INCLUDING BUT NOT LIMITED TO COPY OF EMPLOYMENT AUTHORIZATION DOCUMENT, APPROVED FORM I-797 AND CERTIFIED LABOR CONDITION APPLICATION, OR OTHER ACCEPTABLE DOCUMENTATION. SUCH EMPLOYEES WILL ONLY BE UTILIZED TO PERFORM SERVICES WHICH ARE NOT EXPORT CONTROLLED; AND</p>							

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	3. ALL OF SELLER'S EMPLOYEES WHO ARE TO PERFORM SERVICES WHICH ARE EXPORT CONTROLLED SHALL BE UNITED STATES CITIZENS OR LEGAL PERMANENT RESIDENTS OF THE UNITED STATES.  Bill To: SOUTHWEST RESEARCH INSTITUTE P.O. Drawer 28510 Attention: Accounts Payable San Antonio, TX 78228-0510  <hr/> Authorized Signatures						PO Total Amt:	\$3,625.00