

JUSTIFICATION FOR SOLE SOURCE (SAP <\$150k)

Ref: FAR 13.106 and NAVSUP 4200.85D Chapter 5 Para. 2.b.(5)

The service or material listed on (Document number) 53498728 THRU 53498735 is sole source and competition must be restricted to one source, or to only one brand name for reasons indicated below. There are no substitutes available for this material.

Restricted to the following source or brand name. Provide original manufacturer's name. (If a sole source manufacturer distributes via dealers, ALSO provide dealer information.)

Manufacturer: OI Analytical
Manufacturer POC & Phone Nr: (800) 653-1711
Mfr. Address: 151 Graham Road, College Station, TX 77845
Manufacturer's Dealer/Rep: Ken Earle - Sales & Technical Specialist
Dealer/Rep Address/Phone Number: (541) 387-0343

Description of the item or service required, the estimated cost, and required delivery date.

OI Analytical FS3700 automated cyanide analyzer with controller and autosampler. Estimated cost is [REDACTED] Required delivery date is by 01/29/2016.

Specific characteristics of the material or service that limit the availability to a sole source or particular brand name (unique features, function of the item, etc.). Describe in detail **why** only this suggested source can furnish the requirements to the exclusion of other sources.

For environmental compliance testing, the laboratory must be accredited to methods that have been approved and listed in 40 CFR part 136. Cyanide environmental compliance testing for the shipyard's state waste discharge permit (SWDP) for Washington state Department of Ecology falls under this requirement. OIA 1677-09 is one method that is identified in 40 CFR part 136.3, and is the base used in ASTM D6888-09 and ASTM D7511-09; these ASTM procedures are what the laboratory aims to be accredited to since they are specific to the FS3700. The OIA 1677-09 procedure was developed by OI Analytical (the manufacturer of the FS3700 cyanide analyzer) and since ASTM 6888-09 and 7511-09 were developed based on OIA-1677-09, they are developed specifically for the OI Analytical FS3700 cyanide analyzer.

The FS3700 cyanide analyzer detects cyanide via a silver amperometric detector. This removes the interferences associated with colorimetric analysis using a photometric detector. Cyanide has many interferences, some of which occur during the colorimetric process. The laboratory has experienced severe matrix interferences for samples received by the shipyard's industrial wastewater treatment facility. These interferences are due to the matrix of the samples (plating solution rinse water) and the cyanide treatment by chlorination process approved by the state. Since these cannot be changed, cyanide analysis via the FS3700 cyanide analyzer with an amperometric detector is necessary for accurate results.

The requested material or service represents the minimum requirements of the government

CHECK & FILL IN ALL APPLICABLE BLANKS BELOW

The material/service must be compatible in all aspects (form, fit and function) with existing systems presently installed. Describe the equipment you have **now** and **how** the new item/service must coordinate, connect, or interface with the existing system.

This is a new instrument. The laboratory's current method of cyanide analysis is not compatible with the future cyanide treatment method and Washington state DOE compliance testing requirements.

A patent, copyright, or proprietary data limits competition. The proprietary data is:

OI Analytical developed the analytical method required for the laboratory to meet the shipyards environmental compliance samples. OIA-1677-09, ASTM 6888-09, and ASTM 7511-09 are developed with the OI Analytical FS3700 cyanide analyzer.

These are "direct replacements" parts/components for existing brand name equipment.

Other information to support a sole-source buy:

I CERTIFY THAT STATEMENTS CHECKED, AND INFORMATION PROVIDED ABOVE, ARE COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND DO NOT CONTAIN CLASSIFIED INFORMATION. I UNDERSTAND THAT THE PROCESSING OF THIS SOLE-SOURCE JUSTIFICATION PRECLUDES THE USE OF FULL AND OPEN COMPETITION.

