



**OPCW**

**Technical Secretariat**

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**NOTE BY THE TECHNICAL SECRETARIAT**

**SUPPORT BY INSPECTED STATES PARTIES  
FOR SAMPLING AND ANALYSIS UNDER ARTICLE VI  
OF THE CHEMICAL WEAPONS CONVENTION**

1. The Director-General announced in his opening statement to the Forty-Third Session of the Executive Council that the Technical Secretariat (hereinafter “the Secretariat”) would, “in the third quarter of 2006, begin using sampling and analysis on a limited basis during routine subsequent Schedule 2 inspections”, and that, at the beginning of 2006, it would “report to Member States on the logistical requirements for the transfer of analytical equipment to inspection sites and for the provision of whatever support is needed there” (EC-43/DG.8, dated 6 December 2005).
2. As part of this initiative, the Secretariat has conducted an analysis to determine what logistical support it would require from a State Party should it need to carry out sampling and analysis at a Schedule 2 facility on that States Party’s territory.
3. In order for an OPCW inspection team to use its approved equipment to conduct on-site analysis at a Schedule 2 facility, it would require, at a minimum, a room measuring approximately 20m<sup>2</sup>. This room would ideally be at or near the facility being inspected. Such a room should be equipped with three tables and three chairs. It should also be fitted with an electrical power supply capable of delivering a minimum of 5 kilowatts, with a current of either 200 to 240 volts at 50 hertz, or 110 volts at 60 hertz.
4. There are two kinds of item in particular that it would be expensive for the Secretariat to transport to the inspection site: a fume hood, and the chemicals and gases listed in the Annex to this Note. The Secretariat would achieve a significant savings if the inspected State Party could provide either or both of these.
5. The Secretariat will shortly begin contacting each State Party that has inspectable Schedule 2 facilities on its territory, to determine at which of its Schedule 2 facilities, if any, it can make any of these items available, and to discuss the technical requirements associated with them.

Annex: List of Chemicals and Gases Used in On-Site Analysis under Article VI of the Chemical Weapons Convention



**Annex****LIST OF CHEMICALS AND GASES USED IN ON-SITE ANALYSIS  
UNDER ARTICLE VI OF THE CHEMICAL WEAPONS CONVENTION**

1. Any chemicals provided must be originally sealed, labelled, and unopened.
2. The purity of all solvents, chemicals, and gases must be certified by the producer.
3. The expiry date must fall at least six months after the date on which the chemicals are provided to the inspection team.
4. When tested, chemicals must not give a false-positive identification for any compound related to the Chemical Weapons Convention.

<b>Gas or Chemical</b>	<b>Grade</b>	<b>Quantity</b>
Nitrogen	Minimum purity: 5.5	1 bottle
Helium	Minimum Purity: 5.6	1 bottle
Water	Liquid-chromatography grade	100 ml
Sodium sulfate, NH <sub>4</sub> SO <sub>4</sub>	Anhydrous, reagent grade	50 g
Tetrahydrofuran	Anhydrous, 99.9%	100 ml
Hexane	Gas-chromatography grade	500 ml
Acetonitrile	Liquid-chromatography grade	500 ml
0.1 M Hydrochloric acid, HCl	Reagent grade	50 ml
2.0 M Hydrochloric acid, HCl	Reagent grade	50 ml
0.1 M Ammonium hydroxide, NH <sub>4</sub> OH	Reagent grade	50 ml
Methanol	Gas-chromatography grade, 99.8%	500 ml
Dichloromethane	Gas-chromatography grade	500 ml
Triethylamine	98 %, per analysis	50 ml
Methanol	Liquid-chromatography grade	500 ml
N,O-bis-(trimethylsilyl)trifluoroacetamide (BSTFA)		10 ml