

# RECOMMENDED CONSUMABLES

## for Purgeable Halocarbons analysis by GC using EPA 601

The purpose of this document is to act as a quick reference for the products called out in sections 5 & 6 of **EPA Method 601**.

If you have any questions about the products in this document, reach out to your account manager, and they will connect you with our environmental testing experts.

### Sample Collection

Paragraph	Description	Cat No.
5.1.1	Screw Top Vials	Various
5.1.2	Screw top septa	Various

### Solvents & Reagents

Paragraph	Description	Cat No.
5.1.1	Alconox® detergent, 0.5 oz packs	2273228
5.1.1	Alconox® detergent, bulk packed	242985
6.1	Water, ACS reagent	320072
6.2	Sodium thiosulfate, free-flowing, Redi-Dri™, ReagentPlus®, 99%	909173
6.3.2	Tenax® Porous Polymer Adsorbent, matrix Tenax TA, 60-80 mesh, bottle of 10 g	11982
6.3.2	Tenax® Porous Polymer Adsorbent, matrix Tenax TA (refined), 60-80 mesh, bottle of 100 g	12168-U
6.3.4	Silica gel, high-purity grade (Davisil Grade 636), pore size 60 Å, 35-60 mesh particle size	236802
6.4	Methanol for Purge & Trap OmniSolv®	MX0482
6.4	Methanol for Purge & Trap SupraSolv®	557225

## Sample Preparation

Paragraph	Description	Cat No.
5.2	Purge/Trap K Vocab® 3000 for use with Tekmar® Velocity XPT, LSC-1, LSC-2, LSC-2000, 4000 (Straight, 12 in./30.5 cm, Swagelok fitting), HT-3	21066-U
5.2	Purge/Trap I Vocab® 4000 for use with Tekmar® Velocity XPT, LSC-1, LSC-2, LSC-2000, 4000 (Straight, 12 in./30.5 cm, Swagelok fitting), HT-3	20308
5.2	Purge/Trap K Vocab® 3000 for use with Tekmar® 3000, 3100 (Straight, 12 in./30.5 cm, Valco fitting)	24920-U
5.2	Purge/Trap I Vocab® 4000 for use with Tekmar® 3000, 3100 (Straight, 12 in./30.5 cm, Valco fitting)	24918
5.2	Purge/Trap K Vocab® 3000 for use with OI Analytical Eclipse 4660, 4560	24940-U
5.2	Purge/Trap I Vocab® 4000 for use with OI Analytical Eclipse 4660, 4560	24938
5.2	Purge/Trap C for use with OI Analytical Eclipse 4660, 4560	24932
5.2	Fritted Purge Sampler, size 5 mL, Tekmar® 14-2337-024	22781
5.2	Fritless Purge Sampler Glassware, size 5 mL, Tekmar® 14-2336-024	22780
5.4	Hamilton® syringe, 1000 series GASTIGHT®, PTFE luer lock, 1005TLL, PTFE Luer lock, volume 5 mL, needle size (not included)	20999
5.5	VICI Pressure--Lok® C-160 liquid microsyringe, Fixed needle, capacity 25 µL	Z170860
5.6	SGE Syringe Valves, Push button with Luer Lock, for use with SGE 5mL-100mL capacity syringe, volume 5-2000 mL	509353
5.7	SGE Gas Tight Syringe, Removable Needle, 5MDR-GT, volume 5 mL, needle size 23 ga, needle L × O.D. 50 mm × 0.63 mm	509418

## Standards & Reference Materials

Paragraph	Description	Cat No.
6.5	Volatile Organic Compounds Mix 6, certified reference material, 2000 µg/mL each component in methanol	CRM48799
6.5	EPA 601 Purgeable Halocarbons Mix, certified reference material, 2000 µg/mL each component in methanol	46964
6.5	EPA 501/601 Trihalomethanes Calibration Mix, certified reference material, 2000 µg/mL each component in methanol	4M8140-U
6.5	EPA 501/601 Trihalomethanes Calibration Mix, certified reference material, TraceCERT®, 2000 µg/mL in methanol, ampule of 1 mL	CRM48140
6.5	EPA 501/601 Trihalomethanes Calibration Mix, certified reference material, TraceCERT®, 200 µg/mL each component in methanol, ampule of 1 mL	CRM48746
6.5	EPA 501/601 Trihalomethanes Calibration Mix, certified reference material, TraceCERT®, 100 µg/mL each component in methanol, ampule of 1 mL	CRM47904
6.5	Bromodichloromethane solution, certified reference material, 200 µg/mL in methanol	48615
6.5	Bromoform solution, certified reference material, 5000 µg/mL in methanol	40212
6.5	Chloroform solution, certified reference material, 5000 µg/mL in methanol	40021

## Analysis

Paragraph	Description	Cat No.
5.3.1	SPB®-624 Capillary GC Column, L × I.D. 60 m × 0.25 mm, d <sub>f</sub> 1.40 µm	24256
5.3.1	SPB®-624 Capillary GC Column, L × I.D. 30 m × 0.25 mm, d <sub>f</sub> 1.40 µm	24255
5.3.1	SPB®-624 Capillary GC Column, L × I.D. 20 m × 0.18 mm, d <sub>f</sub> 1.00 µm	28662-U
5.3.1	VOCOL® Capillary GC Column, L × I.D. 60 m × 0.25 mm, d <sub>f</sub> 1.50 µm	24154
5.3.1	VOCOL® Capillary GC Column, L × I.D. 30 m × 0.25 mm, d <sub>f</sub> 1.50 µm	24205-U
5.3.1	VOCOL® Capillary GC Column, L × I.D. 20 m × 0.18 mm, d <sub>f</sub> 1.00 µm	28463-U

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