

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	Z273228
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 _f 1.40 µm	24256
5.3.1	SPB®-624 Capillary GC Column, L × I.D. 30 m × 0.25 mm, d _f 1.40 µm	24255
5.3.1	SPB®-624 Capillary GC Column, L × I.D. 20 m × 0.18 mm, d _f 1.00 µm	28662-U
5.3.1	VOCOL® Capillary GC Column, L × I.D. 60 m × 0.25 mm, d _f 1.50 µm	24154
5.3.1	VOCOL® Capillary GC Column, L × I.D. 30 m × 0.25 mm, d _f 1.50 µm	24205-U
5.3.1	VOCOL® Capillary GC Column, L × I.D. 20 m × 0.18 mm, d _f 1.00 µm	28463-U

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