



Quick QuEChERS  
Simple, Fast and Efficient



ENVIRO-CLEAN® Quick QuEChERS





# UCT

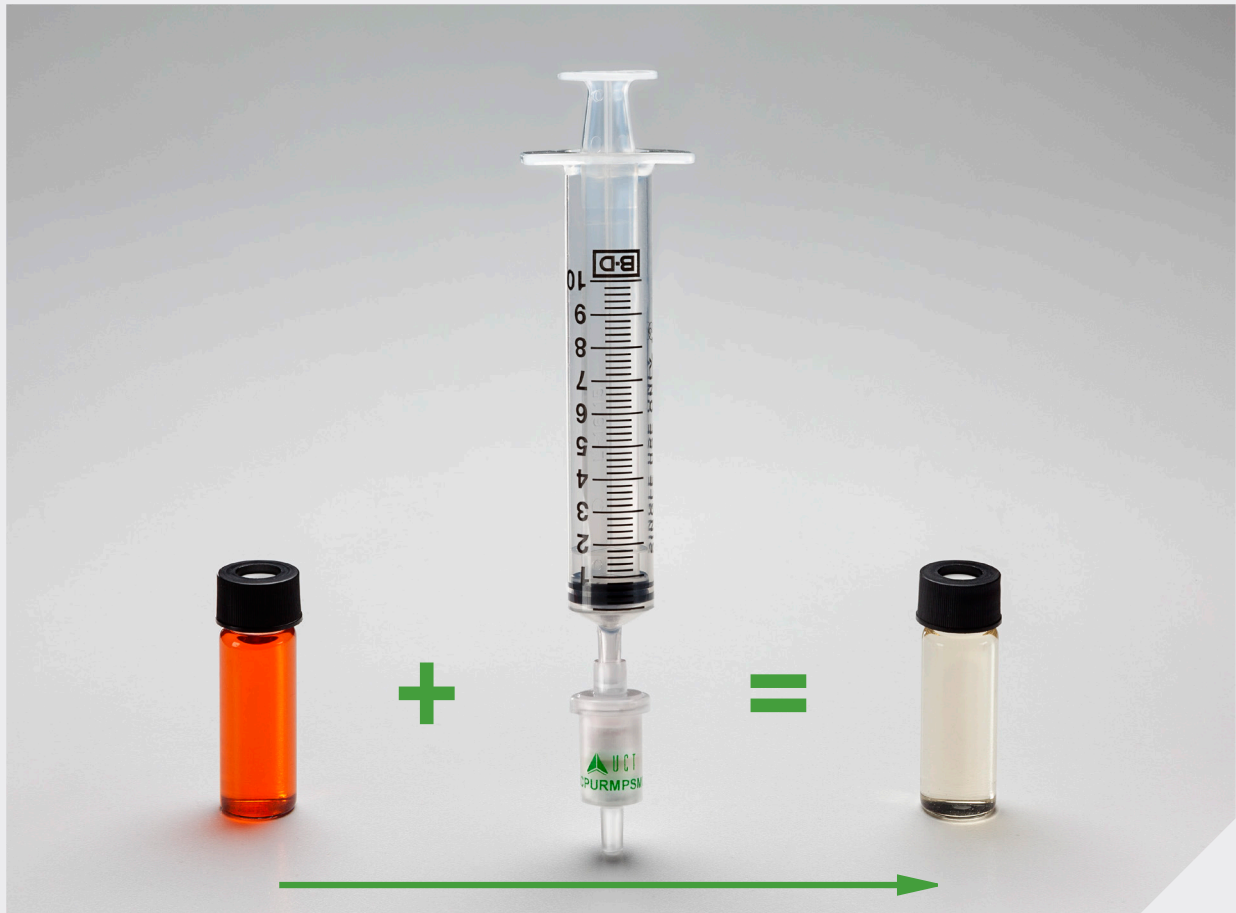
# QuICK QuEChERS

## Simple, Fast, Efficient Cartridges for Clean-Up of QuEChERS Extracts

UCT's QuICK QuEChERS push-thru cartridge eliminates the need for shaking and centrifugation of extracts during clean-up, significantly reducing sample processing time

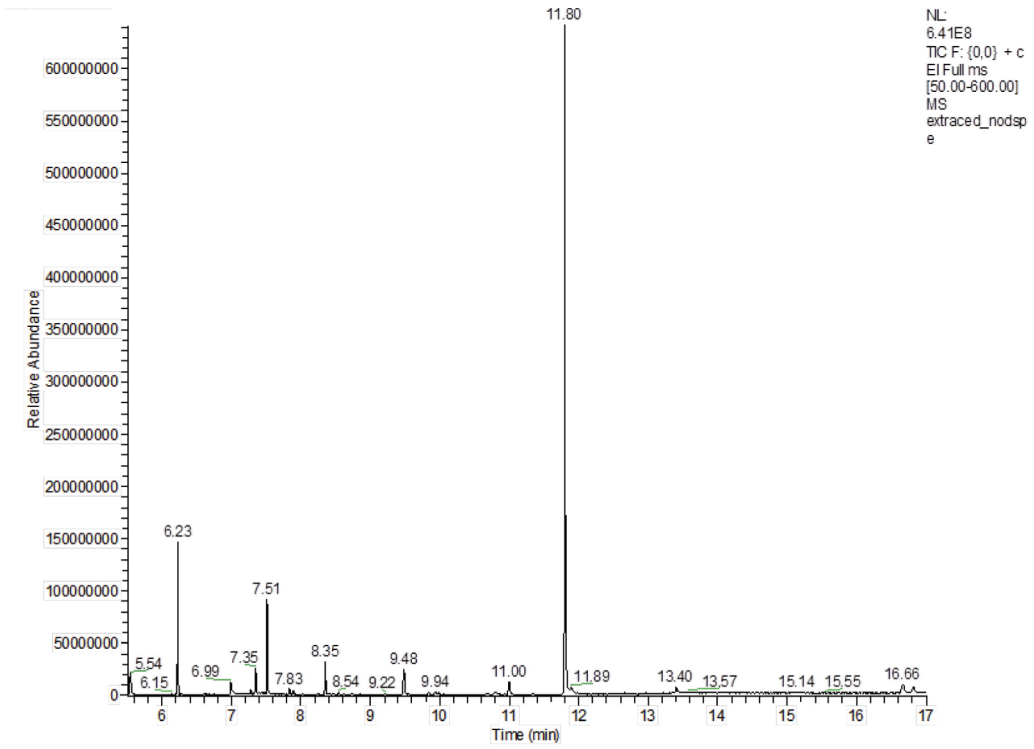
**After QuEChERS sample extraction:**

1. Draw the extract into a disposable syringe
2. Push the extract through the cartridge into a sample vial
3. Sample is ready for analysis by LC or GC

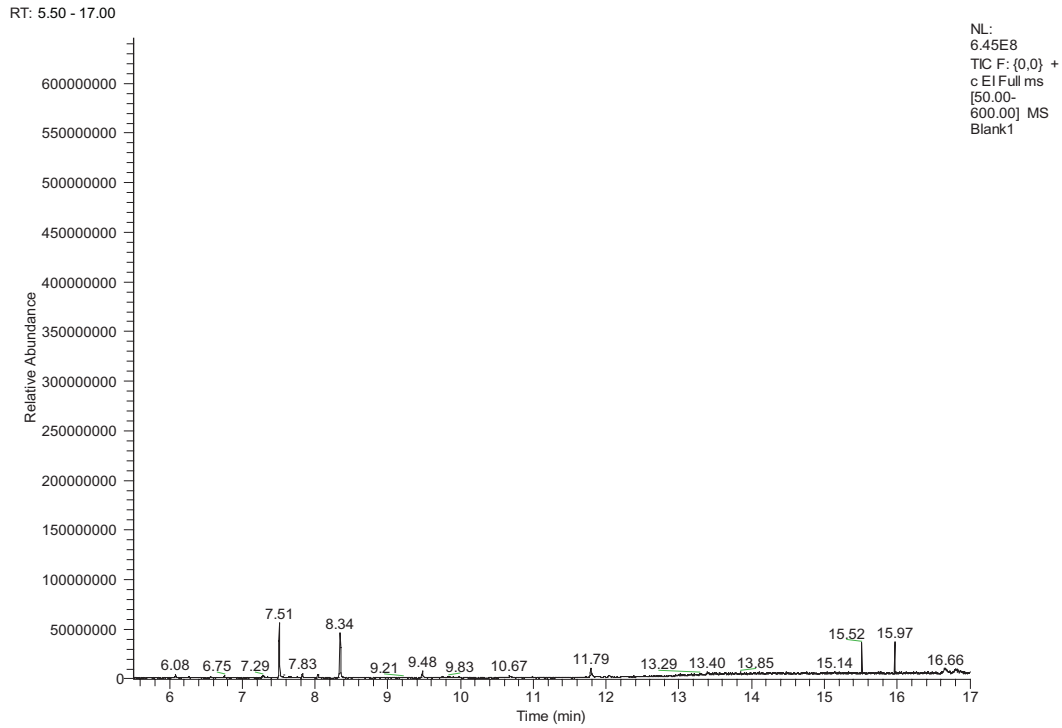


The UCT QuICK QuEChERS cartridge ECPURMPSMC contains 110 mg anhydrous  $\text{MgSO}_4$  and 180 mg of PSA, providing results comparable to traditional QuEChERS but without the need for centrifugation

### Strawberry Supernatant before Clean-up



### After QuIcK Clean-Up



## QUICK QuEChERS Recovery Data

Analyte Organophosphate	200 ng/mL (n = 5)			500 ng/mL (n = 5)			
	Concentration	Recovery	RSD	Concentration	Recovery	RSD	Overall Recovery*
	(ng/g)	(%)	(%)	(ng/g)	(%)	(%)	(%)
DDE	167	83	6.76	450	90	5.25	87
DDD	160	80	6.38	431	86	5.20	83
DDT	168	84	3.62	455	91	5.27	88
α-lindane	182	91	4.60	537	107	12.01	99
β-lindane	175	88	11.29	474	95	3.28	91
γ-lindane	179	89	5.92	539	108	9.07	99
δ-lindane	177	88	5.67	488	98	3.59	93
Cis-chlordane	174	87	7.14	480	96	2.24	91
Trans-chlordane	157	78	13.22	480	96	6.43	87
Chlorpyrifos	157	78	7.20	423	85	7.10	82
Heptachlor	161	80	5.89	469	94	1.73	87
Heptachlor-epoxide	189	94	5.24	506	101	3.86	98
Endosulfan-sulfate	188	94	8.34	510	102	2.56	98
Endosulfan I	178	89	8.93	499	100	4.06	94
Endosulfan II	195	97	4.39	511	102	8.74	100
Aldrin	167	83	4.41	487	97	4.60	90
Dieldrin	160	80	8.61	478	96	5.50	88
Endrin	170	85	6.30	467	93	3.52	89
Endrin-ketone	191	95	6.00	483	97	6.29	96
Methoxychlor	178	89	8.78	449	90	9.14	89
Dichlorvos	161	81	6.88	456	91	3.78	86
Ethodprop	163	81	5.99	455	91	5.12	86
Paraoxon-methyl	130	65	8.89	361	72	7.30	69
Stirofos	136	68	12.06	387	77	5.49	73
Disulfoton-sulfone	113	57	9.10	372	74	4.73	65

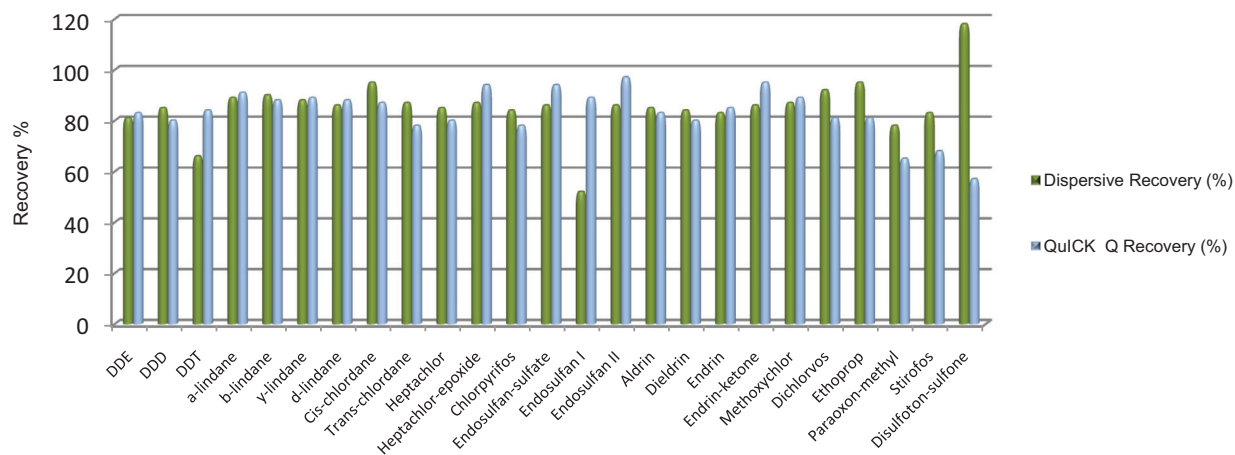
\*Average recovery n=10



ENVIRO



dSPE Recovery Data Comparison vs. QuICK QuEChERS



Analyte	200 ng/g (n=5)			
	Dispersive-SPE		Quick QuEChERS	
	Recovery (%)	RSD (%)	Recovery (%)	RSD (%)
<b>Organophosphate</b>				
DDE	81	6.30	83	6.76
DDD	85	6.88	80	6.38
DDT	66	18.01	84	3.62
a-lindane	89	5.19	91	4.60
b-lindane	90	5.22	88	11.29
γ-lindane	88	6.39	89	5.92
δ-lindane	86	5.48	88	5.67
Cis-chlordane	95	5.33	87	7.14
Trans-chlordane	87	5.81	78	13.22
Heptachlor	85	6.50	80	5.89
Heptachlor-epoxide	87	7.40	94	5.24
Chlorpyrifos	84	3.22	78	7.20
Endosulfan-sulfate	86	6.17	94	8.34
Endosulfan I	52	8.31	89	8.93
Endosulfan II	86	3.12	97	4.39
Aldrin	85	5.34	83	4.41
Dieldrin	84	5.28	80	8.61
Endrin	83	6.49	85	6.30
Endrin-ketone	86	6.17	95	6.00
Methoxychlor	87	6.46	89	8.78
Dichlorvos	92	12.38	81	6.88
Ethoprop	95	4.99	81	5.99
Paraoxon-methyl	78	7.91	65	8.89
Stirofos	83	4.41	68	12.06
Disulfoton-sulfone	118	3.85	57	9.10





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## PRICES AND TERMS

Our prices are subject to change without notice. The price in effect when we receive your order will apply. All prices are in US Dollars and are F.O.B. Lewistown, PA 17044. Terms of payment are net 30 days.

## MINIMUM ORDERS

We welcome all orders, therefore, we do not have a minimum order requirement. When ordering, please include your purchase order number, complete "Ship To" and "Bill To" address, catalog number, quantity, and description of product(s). Also include your name and a phone number where you can be reached should we have any questions concerning your order.

## SHIPMENTS

Normal processing is within 24 hours after receipt of an order. Unless special shipping requests have been made, our trained staff will send all orders by UPS Ground service. The appropriate shipping charges (freight & insurance costs) will be added to the invoice, unless otherwise instructed by the customer.

## SPECIAL PRICING

We offer special pricing for volume purchases and standing orders. These discounts apply to bonded phase extraction column purchases only. Please call a sales representative for more information on special pricing qualifications.

## RETURN POLICY

Our Quality Manager will handle all returns. Before returning merchandise, please call to obtain a return authorization number from the quality manager. We will need to know the reason for the return, date of purchase, purchase order number and invoice number in order to issue a return authorization number. Return merchandise must be received before a credit can be issued. Returns will not be accepted after 90 days. A restocking fee of 25% of the price paid, or a minimum of \$25.00 (whichever is greater) will be charged on all returns.

## WARRANTY

All products manufactured by UCT are guaranteed against defects in materials and workmanship for a period of 90 days after shipment. UCT will replace any items that prove to be defective during this time period. The exclusive remedy requires the end user to first advise UCT of the defective product by phone or in writing and must include order number, the lot number and the shipping date.

To initiate this action, photographs of the product, including packaging and labeling of the containers, must be submitted to the UCT Representative for approval. With approval a return authorization can be initiated, and must be received within 30 days. Once the materials arrive at UCT a further inspection of the materials must be completed and accepted by our Quality Manager prior to further action of credits or replacement. UCT's total liability is limited to the replacement cost of UCT products.

This warranty does not apply to damage resulting from misuse.

### Placing An Order

Phone: 215.781.9255  
800.541.0559  
Fax: 215.785.1226

### Mail

UCT, LLC  
2731 Bartram Rd.  
Bristol, PA 19007

### Technical Support

Phone: 215.781.9255  
800.385.3153  
Fax: 215.785.1226  
Email: [info@unitedchem.com](mailto:info@unitedchem.com)  
Forum: [forums.unitedchem.com](http://forums.unitedchem.com)  
Web: [www.unitedchem.com](http://www.unitedchem.com)



DCN-218050-237

