LEAP Effluent, Waste Water, Contaminated Land & Hazardous Waste

April 2010 – March 2011 ORDER FORM & PRICE LIST

All samples & correspondence will be sent to this address unless indicated otherwise. Please complete your details:

Contact Name:
Company Name:
Address:

Postcode:
Country:

Company Tel No:
Company FAX No:
Company e-Mail
VAT Reg No.:(EU Only)
Website:
Direct Tel No
Direct e-Mail

Please indicate your chosen option(s) by ticking (✓) the appropriate boxes

Group	Analytes	No of Tests	(✓)	Price		Additional test material (✓)	Price per additional test material	
1	BOD, COD, TOC	4		£245	€340		£42	€55
2	Dissolved Solids, Suspended Solids, Total Solids, Settled COD	4		£245	€340		£42	€55
3	Nitrate, Nitrite, Ammonia, Chloride, Orthophosphate, Total Phosphorus, Sulphate, Kjeldahl Nitrogen, Total Nitrogen	4		£245	€340		£42	€55
4	pH, Electrical Conductivity	4		£185	€250		£42	€55
5	MBAS, Alkylphenol Ethoxylates (APE)	4		£245	€340		£42	€55
6	Cyanide (Free & Total)	4		£245	€340		£42	€55
7	Phenol (Monohydric by distillation and colorimetric)	4		£245	€340		£42	€55
8	Cadmium, Chromium, Nickel, Lead, Copper, Zinc, Arsenic, Selenium, Mercury	4		£290	€400		£53	€65
9	**Certified reference material:** Trace Metals in Soils Cadmium, Lead, Chromium, Arsenic, Barium, Nickel, Copper, Zinc, Mercury	2		£275	€380		£100	€135
10	Alkalinity, Calcium, Conductivity, Total Hardness, Magnesium, Potassium, Sodium	2		£100	€140		£50	€70
11	BOD, COD, TOC	2		£90	€120		£45	€60
12	Bromide, Chloride, Fluoride, Sulphate	2		£90	€120		£45	€60
13	pH	2		£90	€120		£45	€60
14	Ammonia, Nitrate, Orthophosphate	2		£90	€120		£45	€60
15	Kjeldahl Nitrogen, Total Nitrogen, Total Phosphorus	2		£90	€120		£45	€60
16	Total Solids, Total Dissolved Solids, Total Suspended Solids	2		£90	€120		£45	€60
17	Nitrite	2		£90	€120		£45	€60
18	Oil &Grease	2		£90	€120		£45	€60
19	Hexavalent Chromium	2		£90	€120		£45	€60
20	Trace Metals 1 (see list on page 4)	2		£170	€235		£60	€85
21	Barium & Tin	2		£90	€120		£45	€60
22	VOC 1 (see list on page 5)	2		£90	€120		£45	€60
23	Total Recoverable Petroleum Hydrocarbons (For analysis by IR)	2		£90	€120		£45	€60
24	Total Residual Chlorine	2		£90	€120		£45	€60
25	Total Sulphide	2		£90	€120		£45	€60
26	Settleable Solids	2		£90	€120		£45	€60
27	Trace Metals 2 (see list on page 4)	2		£120	€165		£45	€60
28	VOC 2 (see list on page 5)	2		£90	€120		£45	€60
29	VOC 3 (see list on page 5)	2		£90	€120		£45	€60

Postage (per distribution)	**£**	**€**
UK	20	30
EU (Non-UK)	55	65
Non-EU	65	95
Paper Reports (each) (electronic copy included in price)	40	55

ADDITIONAL TEST MATERIALS

The purchase of additional test materials does not entitle you to receive an extra set of z-scores – please order the test twice if you require this service.

Your Purchase Order Number: ..... (to expedite your registration)

I apply to join the LEAP Programme on the basis of the FERA® Standard Terms and Conditions for Proficiency Testing Schemes document:

Signed: ..... Date: .....

Please return this form to: LEAP, FERA, Sand Hutton, York YO41 1LZ, UK
Fax: +44 (0) 1904 462040 Email: info@fapas.com
You are advised to keep a copy for your own records

Distribution dates:

Distribution No.	Groups	Distribution Date
EFF019	1 to 8 + Soil Sample 9	20/04/10
EFF020	10 to 29	11/06/10
EFF021	1 to 8	02/08/10
EFF022	10 to 29	06/10/10
EFF023	1 to 8 + Soil Sample 9	13/12/10
EFF024	1 to 8	01/02/11

INVOICE ADDRESS: Please advise us if your invoicing address is different from that overleaf.

TEST MATERIAL SIZE: We aim to supply test materials of a sufficient size for most types of analysis. Please indicate on this form if you need more test material than that stated. Additional test material prices are given on our price list. The purchase of additional test materials does not entitle you to receive an extra set of z-scores – please order the test twice if you require this service.

CUSTOMS & TEST MATERIAL RECEIPT: Test Materials are dispatched from LEAP, UK on the date stated on the order form unless you are informed otherwise. We will e-mail the airway bill number of your courier consignment to the sample contacts e-mail (if supplied) which will enable you to track your parcel (airway bill numbers are also available from the secure pages of the FAPAS® website). FAPAS® are not responsible for damage or loss of test materials due to problems in customs. If you require special import permits for importing certain types of test material into your country please inform us at least 3 weeks prior to dispatch date. Please refer to terms and conditions for full details.

LEAP REPORTS: Price of the proficiency test includes access to an electronic copy of the report for the sample contact and an additional report contact if required. Reports are normally available on our website within 5 weeks of the closing date of the test. Paper reports are available at additional cost and are sent by post after reports are available on the website.

CONFIRMATION: This order will be confirmed – if you have not received confirmation within 30 days of placing your order please contact FAPAS® to check that your order has been received.

INVOICING: Remittance should only be made on receipt of an invoice. An invoice will be issued shortly after your order is received. This means that you will be paying for some tests in advance. Your invoice will contain our banking details and full information on how to pay. Full details of our terms and conditions are available on request or from www.fapas.com.

CHEQUES should be made payable to The Food and Environment Research Laboratory in GBP (paid using a cheque drawn on a UK bank), or made payable in EUR or USD.

BACS payments and bank credit transfers are acceptable please see your invoice for details. Please ensure that your payment includes all bank charges incurred in transferring fees. FERA will not be liable for these charges and will aim to recover any costs incurred from participants.

Credit card payments are also acceptable.

VAT, when charged, will be at the rate applicable from 1st January 2010 of 17.5%. The liability for Valued Added Tax (VAT) on the services provided is as follows:

UK & The Isle of Man participants are liable for UK VAT.

EU (not UK) participants who are not registered for VAT are liable for UK VAT. Participants who are registered for VAT and who receive the supply for business purposes are not liable for UK VAT and should account for any tax locally. Please supply your VAT number on the registration form.

Non-EU participants are not liable for UK VAT.

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These samples are standard concentrates or standard solutions in ultra pure water, which contain levels of contaminants usually, found in wastewater / effluent samples. The only exception is (group 9) which is a certified reference material.

The following Groups and tests are available:

Groups 1, 2, 3, 5, 6, 7, 8,10, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24,25, 26, 27, 28 and 29 are concentrates which require dilution with laboratories reagent water before analysis. The volume of concentrate supplied is given below together with dilution required.

Groups 4, 9,13 & 16 are neat and require no dilution.

Groups 10 to 29 utilise samples supplied by RTC in USA.

Group	Concentrate volume (approx)	Dilution required	Analytes	Concentration Ranges (after dilution approx)
1	50ml	x20	BOD COD TOC	*mg L^{-1}* 2.0 - - - - -1000 20.0 - - - - 2000 4.0 - - - - - 400
2	100ml	x20	Dissolved Solids Suspended Solids Total Solids Settled COD	*mg L^{-1}* 1.0 - - - - -1000 1.0 - - - - -1000 10.0 - - - - 2000 20.0 - - - - 2000
3	240ml	x20	Nitrate (N) Nitrite (N) Ammonia (N) Chloride Orthophosphate (P) Sulphate (SO_4) Total Phosphorus (P) Kjeldahl Nitrogen (N) Total Nitrogen (N)	*mg L^{-1}* 0.5 - - - - 50 0.2 - - - - 10 0.2 - - - - 20 10.0 - - - 500 1.0 - - - - 100 10.0 - - - 500 0.2 - - - - -5 2.0 - - - - -50 2.0 - - - - -50
4	125ml 125ml	No dilution required No dilution required	pH Electrical Conductivity	1.0- - - - 13.0 Units 200 - - - - 2000 µS/cm
5	50ml	x20	MBAS Alkylphenol Ethoxylates (APE)	*mg L^{-1}* 0.2 - - - - 20 2.0 - - - - 50
6	50ml	x20	Cyanide FREE TOTAL	*mg L^{-1}* 2.0 - - - - 25 5.0 - - - - 50
7	50ml	x20	Phenol (Monohydric by distillation)	*mg L^{-1}* 1.0 - - - - 20
8	50ml	x20	Cadmium Chromium Nickel Lead Copper Zinc Arsenic Selenium Mercury	*mg L^{-1}* 0.10 - - - - 10 0.10 - - - - 10 0.10 - - - - 10 0.10 - - - - 10 0.50 - - - - 50 0.50 - - - - 50 0.05 - - - - 5 0.05 - - - - 5 0.01 - - - - 1
9	6g to 8g	No dilution required	Cadmium Lead Chromium Arsenic Barium Nickel Copper Zinc Mercury	*mg kg^{-1}* 0.2 - - - - 20 10 - - - - -700 10 - - - - -500 2 - - - - - -100 20 - - - - -1000 10 - - - - - 600 10 - - - - -1000 20 - - - - -1000 0.1 - -- - -10

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Group	Concentrate volume (approx)	Dilution required	Analytes	Concentration ranges (after dilution, approx)
10	2 x 23ml	up to 1L	Alkalinity Calcium Conductivity Total Hardness Magnesium Potassium Sodium	10-120 (as $CaCO_3$) ***mg L^{-1}*** 3.5-110 200- 930 μS/cm 17-440 (as $CaCO_3$) 2-40 4-40 6-100
11	23ml	up to 2L	BOD COD TOC	15-250 ***mg L^{-1}*** 30-250 6-100
12	23ml	up to 2L	Bromide Chloride Fluoride Sulphate	1-10 ***mgL^{-1}*** 35-275 0.3-4 5-125
13	100ml	No dilution required	pH	5-10 ***pH units***
14	23ml	up to 2L	Ammonia (as N) Nitrate (as N) Orthophosphate (as P)	*0.65-19* ***mg/L*** *0.25-40* *0.5-5.5*
15	23ml	up to 2L	Kjeldahl Nitrogen (as N) Total Nitrogen (as N) Total Phosphorus	1.5-35 ***mgL^{-1}*** 1.5-35 0.5-10
16	500ml	No dilution required	Total Solids Total Dissolved Solids Total Suspended Solids	140-675 ***mgL^{-1}*** 140-650 23-100
26	23ml	up to 1L	Settleable Solids	5-100 ***mgL^{-1}***
17	23ml	up to 2L	Nitrite (as N)	0.4-4 ***mgL^{-1}***
19	23ml	up to 2L	Hexavalent Chromium	*45-880* ***µgL^{-1}***
20	23ml	up to 2L	**TRACE METALS 1** Aluminium Arsenic Beryllium Cadmium Chromium (Total) Cobalt Copper Iron Lead Manganese Mercury Nickel Selenium Vanadium Zinc	200-4000 ***µgL^{-1}*** 70-900 8-900 8-750 17-1000 28-1000 40-900 200-4000 70-3000 70-4000 2-30 80-3000 90-2000 55-2000 100-2000
27	23ml	up to 2L	**TRACE METALS 2** Antimony Boron Molybdenum Silver Strontium Thallium Titanium	95-900 ***µgL^{-1}*** 800-2000 60-600 26-600 30-300 60-900 80-300
21	23ml	up to 2L	Barium Tin	100-2500 ***µgL^{-1}*** 1000-5000

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Group	Concentrate volume (approx)	Dilution required	Analytes	Concentration ranges (after dilution, approx)
18	3ml	up to 2L	Oil & Grease	*20-100* ***mgL^{-1}***
23	3ml	up to 1L	Total Recoverable Petroleum Hydrocarbons For Analysis by IR	*20-170* ***mg L^{-1}***
24	3ml	up to 2L	Total Residual Chlorine	0.5-3 ***mgL^{-1}***
25	3ml	up to 2L	Total Sulphide	1-10 ***mgL^{-1}***
22	3ml	up to 100mL	**VOC 1** Benzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Ethylbenzene Methyl tert-butyl ether (MTBE) Naphthalene Toluene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene m+p-Xylene o-xylene Total Xylene	8-120 ***µgL^{-1}*** 8-100 9-125 8-115 9-100 15-100 30-190 7-100 8-30 8-30 8-300 8-300 20-300
28	3ml	up to 100mL	**VOC 2** Bromodichloromethane Bromoform Tetrachloromethane (carbon tetrachloride) Chlorobenzene Chloroform Dibromochloromethane 1,2-Dichloroethane Methylene Chloride (dichloromethane) Tetrachloroethene (tetrachloroethylene) 1,1,1-Trichoroethane Trichloroethene	8-115 ***µg L^{-1}*** 11-100 10-140 10-120 12-95 11-140 10-150 10-125 10-150 10-90 10-95
29	3ml	up to 100mL	**VOC 3, minimum of 60%of analytes listed** Acetone Acetonitrile Acrolein (Propenal) Acrylonitrile 2-Butanone (Methyl ethyl ketone, MEK) Carbon Disulfide Chloroethane 2-Chloroethyl vinyl ether 1,2-Dibromo-3-chloropropane (DBCP) 1,2-Dibromoethane (EDB, Ethylene dibromide) Dibromomethane Dichlorodifluoromethane cis-1,2-Dichloroethene trans-1,2-Dichloroethene cis-1,3-Dichloropropene trans-1,3-Dichloropropylene 1,1-Dichoroethane 1,1-Dichloroethene Dichlorofluoromethane 1,2-Dichloropropane 2-Hexanone Methyl bromide (Bromomethane) Methyl chloride (Chloromethane) 4-Methyl-2-pentanone (MIBK) Styrene 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane Trichlorofluoromethane 1,2,3-Trichloropropane Vinyl Acetate Vinyl Chloride	 10-150 ***µgL^{-1}*** 10-150 10-150 10-150 10-150 10-150 20-100 10-150 10-150 10-150 10-150 10-150 15-150 10-150 15-100 8-90 15-150 11-120 10-150 10-150 20-150 20-100 20-100 20-200 20-100 10-150 10-150 25-150 20-100 10-150 10-150 20-100