



CERTIFICATE OF PARTICIPATION

This certificate confirms that:
S.C.A. - Servizi Consulenze Ed Analisi

took part in:
LEAP EFF Proficiency Test **EFF026**
Purgeables aromatic and aliphatic compounds in Water (after dilution)

and were allocated laboratory number **28** .

The performance of the laboratory is shown in the relevant report, which is available from the secure pages at www.fapas.com

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LEAP[®] Scheme Proficiency Test Report EFF026

**Effluent, Waste Water, Contaminated Land & Hazardous
Waste**

June–July 2011

NOT CONTROLLED WHEN PRINTED

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Table 13: Results and z-Scores for Sample 22

laboratory number	22																	
	Benzene µg/L			1,2-Dichlorobenzene µg/L			1,3-Dichlorobenzene µg/L			1,4-Dichlorobenzene µg/L			Ethylbenzene µg/L		Methyl tert-butyl ether µg/L			
	x_a	71.8	71.5	x_a	36.6	36.4	x_a	116	113	x_a	102	98.2	x_a	25.0	24.7	x_a	42.3	43.2
	result	z-score		result	z-score		result	z-score		result	z-score		result	z-score		result	z-score	
013	59	-1.8	-1.7	35	-0.4	-0.4	110	-0.5	-0.3	99	-0.3	0.1	16	-3.6	-3.5	30	-2.9	-3.1
028	65.33	-0.9	-0.9										22.20	-1.1	-1.0			
036	36	-5.0	-5.0										18.2	-2.7	-2.6	25.8	-3.9	-4.0
040	67.2	-0.6	-0.6										23.9	-0.4	-0.3	40.0	-0.5	-0.7
052	75.83	0.6	0.6													40.96	-0.3	-0.5
059	53.5	-2.5	-2.5										18.9	-2.4	-2.3			
082	73.45	0.2	0.3										22.55	-1.0	-0.9			
086	96	3.4	3.4	57	5.6	5.7	187	6.1	6.5	163	6.0	6.6	39	5.6	5.8			
098	76.7	0.7	0.7	38.0	0.4	0.4	123	0.6	0.9	108	0.6	1.0	22.9	-0.8	-0.7			

For details of assigned value, x_a , and z-score calculation see sections 4.1 and 4.3

Table 13 (continued): Results and z-Scores for Sample 22

laboratory number	22											
	Naphthalene µg/L			Toluene µg/L			1,2,4- Trimethylbenzene µg/L			1,3,5 Trimethylbenzene µg/L		
	x_a	101	101	x_a	77.7	75.5	x_a	38.9	38.9	x_a	44.3	44.3
	result	z-score		result	z-score		result	z-score		result	z-score	
013				61	-2.1	-1.9	32	-1.8	-1.8	36	-1.9	-1.9
028				73.85	-0.5	-0.2						
036	25.8	-7.4	-7.4	36	-5.4	-5.2						
040				73.9	-0.5	-0.2						
052	90.17	-1.1	-1.1	81.03	0.4	0.7						
059				62.0	-2.0	-1.8						
082	92.45	-0.8	-0.8	82.45	0.6	0.9						
086	124	2.3	2.3	63	-1.9	-1.7	60	5.4	5.4	63	4.2	4.2
098				81.3	0.5	0.8	34.3	-1.2	-1.2	38.4	-1.3	-1.3

For details of assigned value, x_a , and z-score calculation see sections 4.1 and 4.3

Table 13 (continued): Results and z-Scores for Sample 22

laboratory number	22								
	m & p-xylene µg/L			o-xylene µg/L			xylene (total) µg/L		
	x_a	148	142	x_a	91.3	87.9	x_a	240	229
	result	z-score		result	z-score		result	z-score	
013	120	-1.9	-1.5	76	-1.7	-1.4	196	-1.8	-1.4
028	145.43	-0.2	0.2	89.45	-0.2	0.2	234.88	-0.2	0.3
036				40.2	-5.6	-5.4			
040	142.7	-0.4	0.0	88.5	-0.3	0.1	231.2	-0.4	0.1
052	159.07	0.7	1.2	94.42	0.3	0.7	253.49	0.6	1.1
059	124.7	-1.6	-1.2	74.3	-1.9	-1.5	198.9	-1.7	-1.3
082	178.6	2.1	2.6	93.05	0.2	0.6	271.65	1.3	1.9
086	212	4.3	4.9	119	3.0	3.5	331	3.8	4.5
098	45.6	-6.9	-6.8	99.5	0.9	1.3	145.1	-4.0	-3.7

For details of assigned value, x_a , and z-score calculation see sections 4.1 and 4.3