

London Borough of Richmond

Benzene Diffusion Tube Results



Jan-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene ppb	Benzene ug/m3	ng	Toluene ppb	Toluene ug/m3	ng	Ethylbenzene ppb	Ethylbenzene ug/m3	ng	M+p-Xylene ppb	M+p-Xylene ug/m3	ng	o-Xylene ppb	o-Xylene ug/m3
Rut 2	BD 493	08/01/2002	12:00	22/01/2002	11:10	33	1.2	3.83	143	4.6	17.68	25	0.7	3.05	64	1.6	7.27	25	0.6	2.78
36	BD 494	08/01/2002	12:00	22/01/2002	11:20	35	1.3	4.06	145	4.7	17.92	26	0.7	3.17	65	1.7	7.38	28	0.7	3.12
35	BD 495	08/01/2002	12:35	22/01/2002	11:45	43	1.5	4.99	190	6.1	23.50	49	1.4	5.97	108	2.8	12.27	45	1.1	5.01
7	BD 496	08/01/2002	12:45	22/01/2002	11:55	33	1.2	3.83	199	6.4	24.61	29	0.8	3.53	69	1.8	7.84	28	0.7	3.12
32	BD 497	08/01/2002	13:05	22/01/2002	12:05	73	2.6	8.48	271	8.8	33.53	60	1.7	7.31	153	3.9	17.39	64	1.6	7.13

Feb-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene ppb	Benzene ug/m3	ng	Toluene ppb	Toluene ug/m3	ng	Ethylbenzene ppb	Ethylbenzene ug/m3	ng	M+p-Xylene ppb	M+p-Xylene ug/m3	ng	o-Xylene ppb	o-Xylene ug/m3
Rut 2	BD 593	30/01/2002	09:45	12/02/2002	10:45	70	2.7	8.70	58	2.0	7.68	8	0.2	1.04	32	0.9	3.89	12	0.3	1.43
36	BD 594	30/01/2002	11:15	12/02/2002	10:55	86	3.3	10.73	100	3.5	13.30	14	0.4	1.83	48	1.3	5.87	17	0.5	2.04
35	BD 590	30/01/2002	13:45	12/02/2002	11:15	20	0.8	2.51	74	2.6	9.91	14	0.4	1.85	43	1.2	5.29	18	0.5	2.17
7	BD 592	30/01/2002	12:31	12/02/2002	11:25	16	0.6	2.00	106	3.7	14.13	11	0.3	1.44	34	0.9	4.16	13	0.4	1.56
32	BD 591	30/01/2002	12:15	12/02/2002	11:50	19	0.7	2.37	77	2.7	10.24	12	0.4	1.57	43	1.2	5.26	19	0.5	2.28

Mar-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene ppb	Benzene ug/m3	ng	Toluene ppb	Toluene ug/m3	ng	Ethylbenzene ppb	Ethylbenzene ug/m3	ng	M+p-Xylene ppb	M+p-Xylene ug/m3	ng	o-Xylene ppb	o-Xylene ug/m3
Rut 2	BD 734	01/03/2002	11:15	15/03/2002	10:50	32	1.1	3.71	94	3.0	11.61	19	0.5	2.31	59	1.5	6.70	19	0.5	2.11
36	BD 735	01/03/2002	11:25	15/03/2002	10:55	41	1.5	4.75	180	5.8	22.24	32	0.9	3.89	99	2.5	11.24	31	0.8	3.45
35	BD 736	01/03/2002	11:00	15/03/2002	10:30	31	1.1	3.59	110	3.5	13.59	23	0.6	2.80	64	1.6	7.26	19	0.5	2.11
7	BD 737	01/03/2002	10:50	15/03/2002	10:25	33	1.2	3.82	230	7.4	28.41	31	0.9	3.77	92	2.4	10.44	30	0.8	3.34
32	BD 738	01/03/2002	10:40	15/03/2002	10:20	38	1.4	4.40	120	3.9	14.82	26	0.7	3.16	73	1.9	8.28	26	0.7	2.89

Apr-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene ppb	Benzene ug/m3	ng	Toluene ppb	Toluene ug/m3	ng	Ethylbenzene ppb	Ethylbenzene ug/m3	ng	M+p-Xylene ppb	M+p-Xylene ug/m3	ng	o-Xylene ppb	o-Xylene ug/m3
Rut 2	BD 924	03/04/2002	10:00	16/04/2002	11:30	63	2.4	7.82	160	5.5	21.15	32	0.9	4.17	84	2.3	10.20	30	0.8	3.57
36	BD 925	03/04/2002	11:25	16/04/2002	11:40	38	1.5	4.73	160	5.5	21.24	23	0.7	3.01	60	1.7	7.32	22	0.6	2.63
35	BD 928	03/04/2002	13:10	16/04/2002	11:10	61	2.4	7.65	220	7.7	29.42	35	1.0	4.61	99	2.8	12.16	34	0.9	4.09
7	BD 927	03/04/2002	13:05	16/04/2002	11:05	47	1.8	5.90	140	4.9	18.72	23	0.7	3.03	53	1.5	6.51	19	0.5	2.29
32	BD 926	03/04/2002	12:40	16/04/2002	11:00	52	2.0	6.52	160	5.6	21.37	29	0.9	3.82	84	2.3	10.31	30	0.8	3.61

May-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene	Benzene	ng	Toluene	Toluene	ng	Ethylbenzene	Ethylbenzene	ng	M+p-Xylene	M+p-Xylene	ng	o-Xylene	o-Xylene
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Results Statement

The United Kingdom Accreditation Service logo refers to UKAS Testing Laboratory no: 0869 and 0322, which apply to analysis only.

London Borough of Richmond

Benzene Diffusion Tube Results



Rut	BE	Date	Time	Date	Time	Conc	ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3
Rut 2	BE 23	30/04/2002	09:32	14/05/2002	10:50	27	1.0	3.11	676	21.7	83.07	57	1.6	6.90	61	1.6	6.89	22	0.6	2.43
36	BE 24	30/04/2002	10:55	14/05/2002	11:00	45	1.6	5.21	3122	100.5	385.05	44	1.2	5.35	101	2.6	11.44	39	1.0	4.33
35	BE 27	30/04/2002	13:00	14/05/2002	10:30	23	0.8	2.68	414	13.4	51.46	16	0.4	1.96	44	1.1	5.02	16	0.4	1.79
7	BE 26	30/04/2002	12:45	14/05/2002	10:25	38	1.4	4.43	579	18.8	71.93	33	0.9	4.04	103	2.7	11.76	39	1.0	4.36
32	BE 25	30/04/2002	12:25	14/05/2002	10:15	46	1.7	5.36	5057	163.9	627.90	69	1.9	8.44	147	3.8	16.77	57	1.4	6.37

Jun-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene	Benzene		Toluene	Toluene		Ethylbenzene	Ethylbenzene		M+p-Xylene	M+p-Xylene		o-Xylene	o-Xylene
							ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3
Rut 2	BE 164	05/06/2002	09:35	18/06/2002	10:40	13	0.5	1.62	64	2.2	8.47	14	0.4	1.83	46	1.3	5.60	14	0.4	1.67
36	BE 165	05/06/2002	11:06	18/06/2002	10:55	19	0.7	2.37	118	4.1	15.69	21	0.6	2.75	72	2.0	8.79	18	0.7	2.87
35	BE 168	05/06/2002	12:46	18/06/2002	11:20	13	0.5	1.63	71	2.5	9.48	18	0.5	2.37	61	1.7	7.48	24	0.5	2.16
7	BE 167	05/06/2002	12:32	18/06/2002	11:30	15	0.6	1.88	241	8.4	32.12	21	0.6	2.76	69	1.9	8.45	22	0.6	2.64
32	BE 166	05/06/2002	12:13	18/06/2002	11:45	21	0.8	2.62	118	4.1	15.70	30	0.9	3.93	98	2.7	11.98	30	0.8	3.59

Jul-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene	Benzene		Toluene	Toluene		Ethylbenzene	Ethylbenzene		M+p-Xylene	M+p-Xylene		o-Xylene	o-Xylene
							ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3
Rut 2	BE 301	02/07/2002	09:32	16/07/2002	11:00	16	0.6	1.84	95	3.0	11.67	16	0.4	1.94	56	1.4	6.32	20	0.5	2.21
36	BE 302	02/07/2002	11:20	16/07/2002	11:10	20	0.7	2.32	127	4.1	15.67	18	0.5	2.19	64	1.6	7.26	23	0.6	2.56
35	BE 305	02/07/2002	12:50	16/07/2002	12:25	faulty tube	-	-	0	-	-	0	-	-	0	-	-	0	-	-
7	BE 304	02/07/2002	12:37	16/07/2002	12:35	24	0.9	2.78	455	14.7	56.14	27	0.7	3.28	93	2.4	10.54	32	0.8	3.55
32	BE 303	02/07/2002	12:15	16/07/2002	12:20	19	0.7	2.20	100	3.2	12.33	16	0.4	1.94	57	1.5	6.46	21	0.5	2.33

Aug-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene	Benzene		Toluene	Toluene		Ethylbenzene	Ethylbenzene		M+p-Xylene	M+p-Xylene		o-Xylene	o-Xylene
							ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3
Rut 2	BE 441	30/07/2002	09:30	14/08/2002	14:45	24	0.8	2.56	231	6.8	26.21	16	0.4	1.79	54	1.3	5.63	19	0.4	1.94
36	BE 440	30/07/2002	11:20	14/08/2002	14:55	34	1.1	3.64	527	15.7	60.08	24	0.6	2.70	85	2.0	8.90	32	0.7	3.28
35	BE 444	30/07/2002	12:55	14/08/2002	15:25	22	0.7	2.36	190	5.7	21.73	16	0.4	1.80	55	1.3	5.78	20	0.5	2.06
7	BE 443	30/07/2002	12:42	14/08/2002	15:30	29	1.0	3.11	654	19.5	74.72	24	0.6	2.70	84	2.0	8.82	30	0.7	3.09
32	BE 442	30/07/2002	12:25	14/08/2002	15:50	40	1.3	4.28	328	9.8	37.41	38	1.0	4.27	133	3.2	13.94	49	1.1	5.03

Sep-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene	Benzene		Toluene	Toluene		Ethylbenzene	Ethylbenzene		M+p-Xylene	M+p-Xylene		o-Xylene	o-Xylene
							ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3		ppb	ug/m3
Rut 2	BE 590	03/09/2002	09:30	17/09/2002	11:20	48	1.7	5.53	207	6.6	25.40	33	0.9	3.99	113	2.9	12.74	43	1.1	4.75

Results Statement

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36	BE 591	03/09/2002	10:50	17/09/2002	12:50	43	1.5	4.95	212	6.8	26.00	27	0.7	3.26	92	2.4	10.37	36	0.9	3.97
35	BE 594	03/09/2002	12:20	18/09/2002	11:30	25	0.8	2.71	146	4.4	16.85	18	0.5	2.05	61	1.5	6.47	22	0.5	2.29
7	BE 593	03/09/2002	12:10	18/09/2002	11:20	45	1.5	4.87	556	16.8	64.17	30	0.8	3.41	100	2.4	10.60	39	0.9	4.05
32	BE 592	03/09/2002	11:48	18/09/2002	11:10	47	1.6	5.09	205	6.2	23.65	29	0.7	3.30	97	2.3	10.28	38	0.9	3.95

Oct-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene ppb	Benzene ug/m3		Toluene ppb	Toluene ug/m3		Ethylbenzene ppb	Ethylbenzene ug/m3		M+p-Xylene ppb	M+p-Xylene ug/m3		o-Xylene ppb	o-Xylene ug/m3
Rut 2	BE 720	01/10/2002	09:20	15/10/2002	11:05	38	1.3	4.38	186	6.0	22.83	33	0.9	3.99	105	2.7	11.84	40	1.0	4.42
36	BE 721	01/10/2002	11:02	15/10/2002	11:15	45	1.6	5.21	224	7.2	27.62	32	0.9	3.89	110	2.8	12.46	41	1.0	4.55
35	BE 724	01/10/2002	12:35	15/10/2002	11:45	26	0.9	3.02	119	3.8	14.72	22	0.6	2.68	67	1.7	7.61	25	0.6	2.78
7	BE 723	01/10/2002	12:22	15/10/2002	11:40	50	1.8	5.80	363	11.7	44.87	43	1.2	5.24	142	3.7	16.13	54	1.4	6.01
32	BE 722	01/10/2002	12:00	15/10/2002	11:30	34	1.2	3.94	179	5.8	22.12	29	0.8	3.53	106	2.7	12.03	41	1.0	4.56

Nov-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene ppb	Benzene ug/m3		Toluene ppb	Toluene ug/m3		Ethylbenzene ppb	Ethylbenzene ug/m3		M+p-Xylene ppb	M+p-Xylene ug/m3		o-Xylene ppb	o-Xylene ug/m3
Rut 2	BE 850	29/10/2002	09:40	13/11/2002	09:55	Tube failure	-	-	0	-	-	0	-	-	0	-	-	0	-	-
36	BE 851	29/10/2002	11:38	13/11/2002	10:05	112	3.7	12.15	715	21.6	82.68	66	1.7	7.52	205	4.9	21.78	71	1.7	7.39
35	BE 854	29/10/2002	13:23	13/11/2002	10:35	61	2.0	6.64	678	20.5	78.68	23	0.6	2.63	81	2.0	8.64	28	0.7	2.92
7	BE 853	29/10/2002	13:07	13/11/2002	10:40	88	3.0	9.57	1576	47.7	182.70	36	0.9	4.11	113	2.7	12.04	38	0.9	3.97
32	BE 852	29/10/2002	12:43	13/11/2002	10:50	82	2.7	8.91	1047	31.6	121.19	46	1.2	5.25	134	3.2	14.25	48	1.1	5.00

Dec-02

Site Code	Tube Code	Date On	Time On	Date Off	Time Off	Conc Tube (ng)	Benzene ppb	Benzene ug/m3		Toluene ppb	Toluene ug/m3		Ethylbenzene ppb	Ethylbenzene ug/m3		M+p-Xylene ppb	M+p-Xylene ug/m3		o-Xylene ppb	o-Xylene ug/m3
Rut 2	BE 986	02/12/2002	09:20	17/12/2002	12:10	53	1.8	5.68	505	15.1	57.69	15	0.4	1.69	54	1.3	5.67	19	0.4	1.95
36	BE 987	02/12/2002	11:05	17/12/2002	12:30	63	2.1	6.78	352	10.5	40.37	27	0.7	3.05	94	2.2	9.90	32	0.7	3.30
35	BE 990	02/12/2002	12:40	17/12/2002	11:35	91	3.0	9.86	553	16.7	63.86	42	1.1	4.78	146	3.5	15.49	50	1.2	5.20
7	BE 989	02/12/2002	12:30	17/12/2002	11:45	78	2.6	8.45	346	10.4	39.92	48	1.2	5.46	128	3.1	13.57	43	1.0	4.47
32	BE 988	02/12/2002	12:05	17/12/2002	11:30	97	3.2	10.50	447	13.5	51.55	47	1.2	5.34	168	4.0	17.80	57	1.3	5.92

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