

## H513 ROWNHAMS\_02 WATER SUPPLY ZONE

| Parameter Name                           | Units        | Regulatory Limit (PCV) | No. of Samples | Minimum Result | Average Result | Maximum Result | PCV Breaches |
|------------------------------------------|--------------|------------------------|----------------|----------------|----------------|----------------|--------------|
| ALUMINIUM                                | ugAl/l       | 200                    | 76             | <5             | 11.32868       | 14.5           | 0            |
| AMMONIUM (AMMONIA AND AMMONIUM IONS)     | mgNH4/l      | 0.5                    | 8              | <0.008         | 0.0085         | 0.01           | 0            |
| ANTIMONY                                 | ugSb/l       | 5                      | 8              | <0.07          | 0.075          | 0.08           | 0            |
| ARSENIC                                  | ugAs/l       | 10                     | 8              | 0.09           | 0.15625        | 0.25           | 0            |
| BENZO A PYRENE                           | ug/l         | 0.01                   | 8              | <0.00042       | <0.00042       | <0.00042       | 0            |
| BROMATE                                  | ugBrO3/l     | 10                     | 8              | 0.4            | 0.6875         | 1              | 0            |
| CADMIUM                                  | ugCd/l       | 5                      | 8              | <0.01          | 0.02625        | 0.04           | 0            |
| CHROMIUM                                 | ugCr/l       | 50                     | 8              | 0.09           | 0.17           | 0.27           | 0            |
| COLIFORM BACTERIA                        | Number/100ml | 0                      | 204            | 0              | 0              | 0              | 0            |
| COLONY COUNT @ 22 C                      | Number/1ml   | No Abnormal Change     | 76             | 0              | 1.59211        | 53             | 0            |
| COLOUR                                   | mg/l Pt/Co   | 20                     | 76             | <3             | <3             | <3             | 0            |
| COPPER                                   | mgCu/l       | 2                      | 8              | 0.004          | 0.07553        | 0.346          | 0            |
| E.COLI                                   | Number/100ml | 0                      | 204            | 0              | 0              | 0              | 0            |
| ENTEROCOCCI                              | Number/100ml | 0                      | 8              | 0              | 0              | 0              | 0            |
| FREE CHLORINE                            | mg/l as Cl2  |                        | 204            | 0.05           | 0.46647        | 0.87           | 0            |
| HYDROGEN ION (PH)                        | pH value     | 6.5 - 9.5              | 76             | 7.17           | 7.43289        | 7.63           | 0            |
| IRON                                     | ugFe/l       | 200                    | 76             | 10.5           | 36.35132       | 83             | 0            |
| LEAD                                     | ugPb/l       | 10                     | 8              | 0.1            | 0.27875        | 0.68           | 0            |
| MANGANESE                                | ugMn/l       | 50                     | 76             | <0.3           | 0.91382        | 2.82           | 0            |
| NICKEL                                   | ugNi/l       | 20                     | 8              | 1.68           | 2.66           | 3.25           | 0            |
| NITRATE                                  | mgNO3/l      | 50                     | 8              | 28             | 32.4           | 35             | 0            |
| NITRITE                                  | mgNO2/l      | 0.5                    | 8              | <0.002         | 0.00238        | 0.003          | 0            |
| NITRITE/NITRATE FORMULA                  | Number       | 1                      | 8              | 0.56           | 0.6475         | 0.7            | 0            |
| ODOUR                                    | Diln. No.    | No Abnormal Change     | 76             | 0              | 0.02632        | 2              | 1            |
| PAH - SUM OF 4 SUBSTANCES                | ug/l         | 0.1                    | 8              | 0              | 0.00059        | 0.003          | 0            |
| SELENIUM                                 | ugSe/l       | 10                     | 8              | 0.21           | 0.3            | 0.32           | 0            |
| SODIUM                                   | mgNa/l       | 200                    | 8              | 12.3           | 12.675         | 13             | 0            |
| TASTE                                    | Diln. No.    | No Abnormal Change     | 76             | 0              | 0.02632        | 2              | 1            |
| TERACHLOROETHENE/TRICHLOROETHENE SUM     | ug/l         | 10                     | 8              | 0              | 0              | 0              | 0            |
| TETRACHLOROMETHANE                       | ug/l         | 3                      | 8              | <0.16          | <0.16          | <0.16          | 0            |
| TOTAL CHLORINE                           | mg/l as Cl2  |                        | 204            | 0.16           | 0.56926        | 0.91           | 0            |
| TRIHALOMETHANES (SUM OF IDENTIFIED THMS) | ug/l         | 100                    | 8              | 31.44          | 38.7575        | 44.95          | 0            |
| TURBIDITY                                | NTU          | 4                      | 76             | 0.09           | 0.19605        | 0.96           | 0            |

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|-------------------------|--------------|------------------------|----------------|----------------|----------------|----------------|--------------|
| 1,2 DICHLOROETHANE      | ug/l         | 3                      | 8              | <0.16          | <0.16          | <0.16          | 0            |
| 2,4-D                   | ug/l         | 0.1                    | 8              | <0.01          | 0.01038        | 0.011          | 0            |
| BENTAZONE               | ug/l         | 0.1                    | 8              | <0.004         | 0.00438        | 0.005          | 0            |
| BENZENE                 | ug/l         | 1                      | 8              | <0.06          | <0.06          | <0.06          | 0            |
| BORON                   | mgB/l        | 1                      | 8              | <0.0319        | <0.0319        | <0.0319        | 0            |
| BOSCALID                | ug/l         | 0.1                    | 8              | <0.008         | <0.008         | <0.008         | 0            |
| BROMATE                 | ugBr03/l     | 10                     | 8              | 0.4            | 0.6625         | 0.8            | 0            |
| CARBETAMIDE             | ug/l         | 0.1                    | 8              | <0.009         | <0.009         | <0.009         | 0            |
| CHLORIDE                | mgCl/l       | 250                    | 8              | 40.7           | 44.75          | 48.4           | 0            |
| CHLORMEQUAT             | ug/l         | 0.1                    | 8              | <0.008         | <0.008         | <0.008         | 0            |
| CHLOROTHALONIL          | ug/l         | 0.1                    | 8              | <0.006         | <0.006         | <0.006         | 0            |
| CHLORTOLURON            | ug/l         | 0.1                    | 8              | <0.005         | <0.005         | <0.005         | 0            |
| CLOPYRALID              | ug/l         | 0.1                    | 8              | <0.011         | 0.01163        | 0.012          | 0            |
| CLOSTRIDIUM PERFRINGENS | Number/100ml | 0                      | 8              | 0              | 0              | 0              | 0            |
| COLIFORM BACTERIA       | Number/100ml | 0                      | 365            | 0              | 0.00274        | 1              | 1            |
| COLONY COUNT @ 22 C     | Number/1ml   | No Abnormal Change     | 365            | 0              | 0.21918        | 10             | 0            |
| CONDUCTIVITY            | uS/cm        | 2500                   | 156            | 446            | 542.35256      | 599            | 0            |
| CYANIDE                 | ugCN/l       | 50                     | 8              | <1.2           | <1.2           | <1.2           | 0            |
| CYPROCONAZOLE           | ug/l         | 0.1                    | 8              | <0.006         | <0.006         | <0.006         | 0            |
| DICAMBA                 | ug/l         | 0.1                    | 8              | <0.011         | 0.01138        | 0.012          | 0            |
| DICHLORPROP             | ug/l         | 0.1                    | 8              | <0.006         | 0.0075         | 0.01           | 0            |
| DIFLUFENICAN            | ug/l         | 0.1                    | 8              | <0.009         | <0.009         | <0.009         | 0            |
| E.COLI                  | Number/100ml | 0                      | 365            | 0              | 0              | 0              | 0            |
| EPOXICONAZOLE           | ug/l         | 0.1                    | 8              | <0.006         | <0.006         | <0.006         | 0            |
| FENPROPIMORPH           | ug/l         | 0.1                    | 8              | <0.01          | <0.01          | <0.01          | 0            |
| FLUFENACET              | ug/l         | 0.1                    | 8              | <0.008         | <0.008         | <0.008         | 0            |
| FLUORIDE                | mgF/l        | 1.5                    | 8              | 0.08           | 0.09375        | 0.13           | 0            |
| FLUOROXYPYR             | ug/l         | 0.1                    | 8              | <0.008         | 0.00988        | 0.011          | 0            |
| FLUTRIAFOL              | ug/l         | 0.1                    | 8              | <0.005         | <0.005         | <0.005         | 0            |
| FLUXAPYROXAD            | ug/l         | 0.1                    | 8              | <0.01          | <0.01          | <0.01          | 0            |
| FREE CHLORINE           | mg/l as Cl2  |                        | 365            | 0.29           | 0.9983         | 1.34           | 0            |
| GLYPHOSATE              | ug/l         | 0.1                    | 8              | <0.005         | <0.005         | <0.005         | 0            |
| GROSS ALPHA             | Bq/l         | 0.1                    | 8              | <0.02          | 0.02838        | 0.035          | 0            |
| GROSS BETA              | Bq/l         | 1                      | 8              | <0.009         | 0.03325        | 0.049          | 0            |
| MCPA                    | ug/l         | 0.1                    | 8              | <0.006         | 0.00725        | 0.008          | 0            |
| MECOPROP                | ug/l         | 0.1                    | 8              | <0.009         | 0.00963        | 0.01           | 0            |
| MEPIQUAT CHLORIDE       | ug/l         | 0.1                    | 8              | <0.008         | <0.008         | <0.008         | 0            |
| MERCURY                 | ugHg/l       | 1                      | 8              | <0.04          | 0.05           | 0.06           | 0            |

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|-------------------------------|-------------------------|------------------------|----------------|----------------|----------------|----------------|--------------|
| METALDEHYDE                   | ug/l                    | 0.1                    | 8              | <0.006         | <0.006         | <0.006         | 0            |
| METAZACHLOR                   | ug/l                    | 0.1                    | 8              | <0.005         | <0.005         | <0.005         | 0            |
| NITRITE                       | mgNO <sub>2</sub> /l    | 0.5                    | 8              | <0.002         | 0.007          | 0.04           | 0            |
| PENDIMETHALIN                 | ug/l                    | 0.1                    | 8              | <0.009         | <0.009         | <0.009         | 0            |
| PESTICIDES - TOTAL SUBSTANCES | ug/l                    | 0.5                    | 8              | 0              | 0.00125        | 0.01           | 0            |
| PICLORAM                      | ug/l                    | 0.1                    | 8              | <0.016         | <0.016         | <0.016         | 0            |
| PIRIMICARB                    | ug/l                    | 0.1                    | 8              | <0.016         | <0.016         | <0.016         | 0            |
| PROPICONAZOLE                 | ug/l                    | 0.1                    | 8              | <0.009         | <0.009         | <0.009         | 0            |
| PROPYZAMIDE                   | ug/l                    | 0.1                    | 8              | <0.009         | 0.00913        | 0.01           | 0            |
| PROSULFOCARB                  | ug/l                    | 0.1                    | 8              | <0.006         | <0.006         | <0.006         | 0            |
| QUINMERAC                     | ug/l                    | 0.1                    | 8              | <0.006         | <0.006         | <0.006         | 0            |
| SPIROXAMINE                   | ug/l                    | 0.1                    | 8              | <0.009         | <0.009         | <0.009         | 0            |
| SULPHATE                      | mgSO <sub>4</sub> /l    | 250                    | 8              | 16.4           | 16.9375        | 17.4           | 0            |
| TEBUCONAZOLE                  | ug/l                    | 0.1                    | 8              | <0.006         | <0.006         | <0.006         | 0            |
| TERBUTHYLAZINE                | ug/l                    | 0.1                    | 8              | <0.005         | <0.005         | <0.005         | 0            |
| TOTAL CHLORINE                | mg/l as Cl <sub>2</sub> |                        | 365            | 0.39           | 1.09373        | 1.56           | 0            |
| TOTAL ORGANIC CARBON          | mgC/l                   | No Abnormal Change     | 8              | 1.1            | 1.36125        | 2.07           | 0            |
| TRIALATE                      | ug/l                    | 0.1                    | 8              | <0.006         | <0.006         | <0.006         | 0            |
| TRICLOPYR                     | ug/l                    | 0.1                    | 8              | <0.016         | 0.01788        | 0.019          | 0            |
| TURBIDITY                     | NTU                     | 1                      | 365            | <0.07          | 0.21729        | 0.48           | 0            |