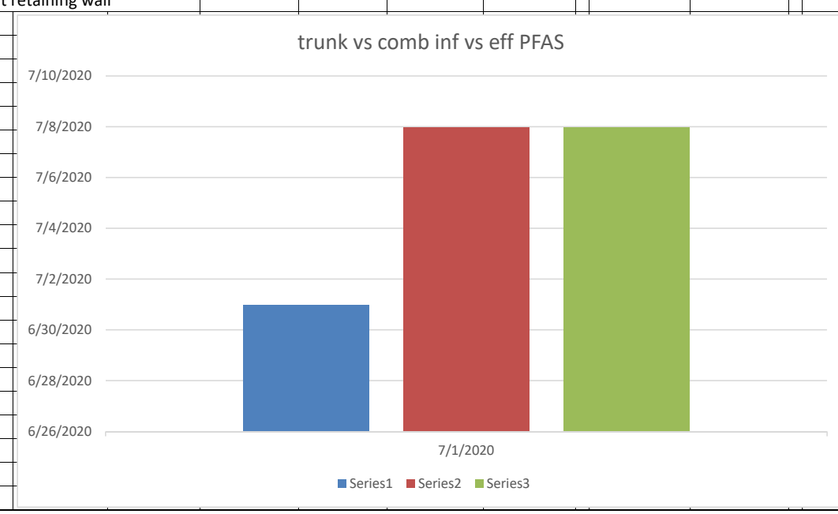
| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **EAST BURLINGTON INFLUENT** | | | | | | | | | | **TRUNK vs Combined Inf** | | **TRUNK vs Combined Inf** | | **TRUNK vs Combined Inf** | | | | | |
| Sample type | grab | grab | composite | grab | grab | composite | grab | grab | composite | composite | grab | grab | grab | grab | grab | grab | composite | composite | composite | composite |
| Sample ID | **Comb Inf** | **Burl Inf** | **Burl Inf** | **Comb Inf** | **Burl Inf** | **Burl Inf** | **Comb Inf** | **Burl Inf** | **Comb Inf** | **Burl Inf** | **E Burl Trunk** | **Comb Inf** | **E Burl Trunk** | **Comb Inf** | **E Burl Trunk** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** |
| Date | 1/17/2020 | 1/17/2020 | 1/17/2020 | 1/24/2020 | 1/24/2020 | 1/23/2020 | 1/31/2020 | 1/31/2020 | 1/30/2020 | 1/30/2020 | 2/14/2020 | 2/14/2020 | 2/17/2020 | 2/17/2020 | 2/28/2020 | 2/28/2020 | (no recycle) | (recycle) | (no recycle) | (recycle) |
| Time | 0945 | 0936 | 630 | 1400 | 1355 | 1/24/2020 | 1000 | 1001 | 1/31/2020 | 1/31/2020 | 1015 | 1020 | 1345 | 1350 | 1035 | 1045 | 3/25,26/20 | 3/25,26/20 | 4/1,2/20 | 4/1,2/20 |
| **1,4 Dioxane** | | | | | | 21.9 | | | | | 9.47 | | 4.55 | | 7.58 | | | | | |
| **PFOA** | **44.6** | **28.9** | **11.4** | **35.2** | **17.3** | **12.6** | **33.3** | **10.6** | **46.0** | **10.3** | **13** | **31.5** | **8.98** | **24.1** | **11.2** | **28.9** | **11.6** | **28.5** | **10.4** | **41.2** |
| **PFOS** | **39.7** | **0** | **21.3** | **31.1** | **14.4** | **13.3** | **26.2** | **13.0** | **34.6** | **12.8** | **23.4** | **38.3** | **15.9** | **53.1** | **23.3** | **32.6** | **27.9** | **31.8** | **23.2** | **39.9** |
| PFBA | 0 | 254 | 0 | 39.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 |
| PFPeA | 207 | 393 | 0 | 120 | 17.1 | 0 | 120 | 0 | 149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 213 | 0 | 468 |
| PFHxA | 400.00 | 770 | 23.3 | 261 | 29.7 | 17.9 | 227 | 24.4 | 331 | 17.7 | 15.3 | 59.20 | 11.1 | 32.90 | 0 | 47.80 | 21.4 | 334 | 24.5 | 579 |
| PFHpA | 668 | 0 | 0 | 399 | 7.15 | 6.12 | 329 | 0 | 528 | 0 | 6.07 | 19.2 | 0 | 14.8 | 0 | 20.7 | 0 | 494 | 7.51 | 787 |
| PFNA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFDA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.73 |
| PFPFUnA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFDoA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFTrA (PFTrDA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFTA (PFTeDA) | 0 | 7.13 | 6.18 | 10.5 | 0 | 8.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| L-PFBS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFPeS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFHxS | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 | 0 | 0.00 |
| PFHpS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFDS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFOSA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N-MeFOSAA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 |
| N-EtFOSAA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **PFOA + PFOS** | **84.3** | **28.9** | **32.7** | **66.3** | **31.7** | **25.9** | **59.5** | **23.6** | **80.6** | **23.1** | **36.4** | **69.8** | **24.9** | **77.2** | **34.5** | **61.5** | **39.5** | **60.3** | **33.6** | **81.1** |
| **SUM ALL** | **1359.3** | **1453.0** | **62.2** | **896.1** | **85.7** | **58.1** | **735.5** | **48.0** | **1128.4** | **40.8** | **57.8** | **148.2** | **36.0** | **124.9** | **34.5** | **130.0** | **60.9** | **1124.3** | **65.6** | **2026.8** |
| 4:2 FTS | | | | | | | | | | | | | | | | | | | | |
| 6:2 FTS | | | | | | | | | | | | | | | | | | | | |
| 8:2 FTS | | | | | | | | | | | | | | | | | | | | |

Comb inf = sample taken at splitter box by primary clarifiers; includes all influent plus flow mixed from EQ basin

Burl infl = sample taken headworks prior to barscreen and possibly filter backwash.

E Burl Trunk=sample taken from sewer trunk line prior to East Plant retaining wall



| Sample type | composite | composite | grab | grab | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | **E Burl Inf** | **Comb Inf** | **trunk** | **comb inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** |
| Date | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) |
| Time | 4/7,8/20 | 4/7,8/20 | 4/15/2020 | 4/15/2020 | 4/22/2020 | 4/22/2020 | 5/1/2020 | 5/1/2020 | 5/15/2020 | 5/15/2020 | 5/18/2020 | 5/18/2020 | 5/29/2020 | 5/29/2020 | 6/16/2020 | 7/1/2020 | 7/1/2020 | 7/8/2020 | 7/8/2020 |
| **1,4 Dioxane** | | | | | | | | | | | | | | | | | | | |
| **PFOA** | **13.1** | **47.3** | **9.24** | **52** | **7.33** | **30.7** | **7.22** | **20.2** | **13.0** | **52.3** | **12.8** | **80.5** | **19.2** | **55.6** | **11.4** | **38.0** | **15.5** | **45.8** | **21.9** |
| **PFOS** | **16.6** | **58.3** | **26.7** | **58.5** | **18.9** | **31.2** | **26.0** | **34.6** | **16.6** | **42.0** | **17.4** | **31.0** | **24.4** | **36.6** | **21.2** | **36.0** | **17.0** | **41.0** | **33.6** |
| PFBA | 0 | 92.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98.5 | 0 | 762 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFPeA | 0 | 202 | 0 | 75.6 | 0 | 187 | 0 | 57.9 | 0 | 419 | 0 | 1590 | 24.6 | 53.9 | 25.8 | 43.8 | 16.6 | 43.0 | 13.0 |
| PFHxA | 0 | 266 | 16.6 | 152 | 20.3 | 316 | 19.7 | 96.7 | 13.7 | 610.0 | 17.2 | 1710 | 32.3 | 101.0 | 34.8 | 82.0 | 30.9 | 105.0 | 32.2 |
| PFHpA | 7.8 | 133 | 0 | 34.3 | 0 | 543 | 0 | 34.3 | 0 | 542 | 6.98 | 931 | 12.9 | 29.8 | 7.05 | 18.8 | 0 | 32.5 | 6.43 |
| PFNA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.62 | 0 | 13.2 | 0 | 0 | 0 | 0 | 0 |
| PFDA | 0 | 8.52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26.3 | 0 | 7.06 | 0 | 0 | 0 | 0 | 0 |
| PFPFUnA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFDoA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFTrA (PFTrDA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFTA (PFTeDA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| L-PFBS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42.5 | 0 | 28.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFPeS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFHxS | 0 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFHpS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFDS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFOSA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N-MeFOSAA | 0 | 12.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.9 | 11.4 | 0 | 0 | 0 | 0 | 10.9 |
| N-EtFOSAA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **PFOA + PFOS** | **29.7** | **105.6** | **35.9** | **110.5** | **26.2** | **61.9** | **33.2** | **54.8** | **29.6** | **94.3** | **30.2** | **111.5** | **43.6** | **92.2** | **32.6** | **74.0** | **32.5** | **86.8** | **55.5** |
| **SUM ALL** | **37.5** | **820.2** | **52.5** | **372.4** | **46.5** | **1107.9** | **52.9** | **260.0** | **43.3** | **1806.3** | **54.4** | **5175.3** | **121.3** | **308.6** | **100.3** | **218.6** | **80.0** | **267.3** | **118.0** |
| 4:2 FTS | | | | | | | | | | | | | | | | | | | |
| 6:2 FTS | | | | | | | | | | | | | | | | | | | |
| 8:2 FTS | | | | | | | | | | | | | | | | | | | |

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| Sample type | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite | composite |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **Comb Inf** | **E Burl Inf** | **Comb Inf** | **Comb Inf** | **Comb Inf** | **Comb Inf** | **Comb Inf** |
| Date | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (no recycle) | (recycle) | (recycle) | (no recycle) | (recycle) | ( recycle) | ( recycle) | ( recycle) | ( recycle) |
| Time | 7/30/2020 | 7/30/2020 | 8/7/2020 | 8/7/2020 | 8/18/2020 | 8/18/2020 | 9/18/2020 | 9/18/2020 | 9/23/2020 | 9/23/2020 | 10/9/2020 | 10/9/2020 | 10/12/2020 | 10/12/2020 | 10/26/2020 | 10/28/2020 | 10/28/2020 | 11/10/2020 | 11/17/2020 | 12/1/2020 | 12/15/2020 | 12/29/2020 |
| **1,4 Dioxane** | | | | | | | | | | | | | | | 12.3 | | | 9.31 | 14.1 | 2.93 | 5.32 | 2.16 |
| **PFOA** | **21.3** | **12.8** | **31.4** | **13.3** | **29.9** | **10.8** | 36.2 | 11.9 | 32.9 | 10.5 | 39.9 | 13.5 | 34.2 | 12.6 | | 46.5 | 9.48 | 55.5 | 61.8 | 25.5 | 28.9 | 34.6 |
| **PFOS** | **29.1** | **18.2** | **31.3** | **9.6** | **33.0** | **17.8** | 50.8 | 14.7 | 33.1 | 13 | 35.5 | 12.3 | 37.5 | 20.6 | | 41.3 | 0 | 39.6 | 45.8 | 37.6 | 40.8 | 43.4 |
| PFBA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFPeA | 45.1 | 26.3 | 37.4 | 23.2 | 58.2 | 49.0 | 68.1 | 45.4 | 0 | 0 | 41.7 | 28.2 | 38.6 | 0 | | 50.6 | 0 | 62.4 | 58.6 | 28.7 | 42.4 | 21.8 |
| PFHxA | 83.0 | 35.4 | 66.8 | 22.3 | 94.7 | 61.3 | 113 | 52.9 | 91.8 | 33 | 108 | 28.8 | 73.9 | 24.2 | | 131 | 19.7 | 133 | 146 | 55.2 | 56.4 | 43.8 |
| PFHpA | 20.1 | 7.76 | 18.3 | 0 | 17.5 | 0 | 24.7 | 9.28 | 19 | 0 | 17.3 | 0 | 14.7 | 0 | | 17.6 | 0 | 23 | 31.9 | 12.6 | 19.8 | 12.9 |
| PFNA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 8.18 | 0 | 0 | 0 | 0 |
| PFDA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFPFUnA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFDoA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFTrA (PFTrDA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFTA (PFTeDA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| L-PFBS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.9 | 0 | 18.8 | 0 | | 39.6 | 0 | 0 | 0 | 16.6 | 0 | 0 |
| PFPeS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFHxS | 0 | 0 | 0 | 0 | 0 | 0 | 9.63 | 0 | 0 | 0 | 0 | 0 | 9.06 | 0 | | 0 | 0 | 0 | 0 | 8.16 | 0 | 8.73 |
| PFHpS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFNS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFDS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PFOSA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| N-MeFOSAA | 5.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 11.6 | 9.43 | 0 | 0 | 0 |
| N-EtFOSAA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 8.47 |
| **PFOA + PFOS** | **50.4** | **31.0** | **62.7** | **22.9** | **62.9** | **28.6** | **87.0** | **26.6** | **66.0** | **23.5** | **75.4** | **25.8** | **71.7** | **33.2** | | **87.8** | **9.5** | **95.1** | **107.6** | **63.1** | **69.7** | **78.0** |
| **SUM ALL** | **204.0** | **100.5** | **185.2** | **68.4** | **233.3** | **138.9** | **302.4** | **134.2** | **176.8** | **56.5** | **261.3** | **82.8** | **226.8** | **57.4** | | **326.6** | **29.2** | **333.3** | **353.5** | **184.4** | **188.3** | **173.7** |
| 4:2 FTS | | 4:2 FTS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 |
| 6:2 FTS | | 6:2 FTS | 7.39 | 0 | 10.1 | 0 | 22.1 | 0 | 7.97 | 0 | 0 | 0 | 0 | 0 | | 8.32 | 0 | | 13 | 0 | 0 | 8.03 |
| 8:2 FTS | | 8:2 FTS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 |

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