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| **Supplemental Digital Content 2.** Table 1. Sputum inflammatory mediators not adjusted for total protein (*n*=48). |
| **Analyte** | **Baseline** | **Post-diesel** | **Post-B75** | **p-valuea** |
| IL-6 (pg/ml) | 29 (14-59) | 123 (46-338)\*\*\* | 108 (54-391)\*\*\* | 0.9716 |
| IL-8 (pg/ml) | 1679 (856-3063) | 3000 (1034-4741)\*\* | 3227 (1369-5276)\*\*\* | 0.1339 |
| MMP-9 (ng/ml) | 261 (145-475) | 753 (380-1540)\*\*\* | 753 (493-1317)\*\*\* | 0.9393 |
| MPO (ng/ml) | 346 (155-723) | 638 (183-1502)\*\*\* | 705 (309-1278)\*\*\* | 0.5586 |
| MMP-8† (ng/ml) | 205 (115-437) | 583 (264-938)\*\*\* | 473 (284-1023)\*\*\* | 0.7335 |
| GRO-α† (pg/ml) | 6899 (3203-19827) | 9766 (2966-29330) | 10570 (4951-40404) | 0.3633 |
| IL-6, interleukin-6; IL-8, interleukin-8; MMP-8, matrix metalloproteinase-8; MMP-9, matrix metalloproteinase-9; MPO, myeloperoxidase; GRO-α, growth-regulated alpha protein. Data are presented as median (IQR). The Wilcoxon signed-rank test was used to compare data for statistical differences from baseline unless otherwise noted. \*\*p<0.01, \*\*\*p<0.001. † indicates protein was identified as a candidate biomarker using proteomic strategies.a Comparing diesel with B75 using Wilcoxon signed-rank test. |