‘SAMPLE\_NO’, ‘STATION\_NO’, ‘STATION\_NAME’, and ‘STATION\_DESCRIPTION’ all just internal IDs for the station, ‘LAT’ and ‘LONG’ in decimal degrees, ‘SAMPLE\_DATETIME’ as timestamp, ‘SAMPLE\_TYPE\_CODE’ and ‘SAMPLE\_TYPE’: 1 is surface water, 36 is bottom of the profile, and 13 is taken from the eupohtic depth (which we just operationally define at 99% light extinguishment), ‘VMV\_CODE’, ‘VARIABLE\_CODE’, and ‘VARIABLE\_NAME’ as nationally-standardized methodologies (especially in consideration of the TP adjustment mentioned in the attached letter as well), ‘VALUE’ and ‘UNIT\_CODE’ for the measurement value and units, ‘TP\_CORRECTED’ for just corrected TP values as per acceptable use letter notes, ‘FLAG’ of a value of ‘L’ if the value is at method detection limit, ‘MEASUREMENT\_COMMENT’, ‘‘MEAS\_DATETIME’, ‘SAMPLE\_COMMENT’ and ‘MEASUREMENT\_QUALIFIER’ from lab and internal comments, mostly around samples exceeding recommended hold times before lab analysis, ‘SAMPLE\_DETECT\_LIMIT’ and ‘METHOD\_DETECT\_LIMIT’ provided either from the lab or VMV national standards (and may differ, especially if samples required dilution), where the lower of the two values is considered the actual DL, ‘LAB\_RECEIVED\_DATETIME’ as internal lab metadata, and ‘QC\_SAMPLE\_FLAG’ should be all ‘N’ following internal QA-QC checks here, ‘TIME\_USABLE\_FLAG’ of binary Y/N if the sample was analysed prior to the recommended hold time since collection.