WaterQualityData

David White

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R. Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

Step 1: Loading libraries

```
library(tidyverse)
```

```
## Warning: package 'tidyverse' was built under R version 4.2.2
## -- Attaching packages ------ tidyverse 1.3.2 --
## v ggplot2 3.3.6
                           0.3.4
                   v purrr
## v tibble 3.1.8
                   v dplyr
                           1.0.9
## v tidyr
         1.2.0
                   v stringr 1.4.1
          2.1.2
## v readr
                   v forcats 0.5.2
## -- Conflicts -----
                                         ## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                 masks stats::lag()
library(readxl)
```

Step 2:Loading data

```
wqd <- read_excel("data/wqd.xlsx")

## Warning: Expecting logical in M2211 / R2211C13: got '7440-48-4'

## Warning: Expecting logical in M2212 / R2212C13: got '7440-39-3'

## Warning: Expecting logical in M2213 / R2213C13: got '57-12-5'

## Warning: Expecting logical in W2213 / R2213C23: got 'Lower Reporting Limit'

## Warning: Expecting logical in X2213 / R2213C24: got '0.02'</pre>
```

```
## Warning: Expecting logical in Y2213 / R2213C25: got 'mg/L'
## Warning: Expecting logical in M2214 / R2214C13: got '541-73-1'
## Warning: Expecting logical in W2214 / R2214C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2214 / R2214C24: got '5.0'
## Warning: Expecting logical in Y2214 / R2214C25: got 'ug/L'
## Warning: Expecting logical in M2215 / R2215C13: got '106-43-4'
## Warning: Expecting logical in W2215 / R2215C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2215 / R2215C24: got '5.0'
## Warning: Expecting logical in Y2215 / R2215C25: got 'ug/L'
## Warning: Expecting logical in M2216 / R2216C13: got '79-00-5'
## Warning: Expecting logical in W2216 / R2216C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2216 / R2216C24: got '5.0'
## Warning: Expecting logical in Y2216 / R2216C25: got 'ug/L'
## Warning: Expecting logical in M2217 / R2217C13: got '7440-41-7'
## Warning: Expecting logical in W2217 / R2217C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2217 / R2217C24: got '10'
## Warning: Expecting logical in Y2217 / R2217C25: got 'ug/L'
## Warning: Expecting logical in M2218 / R2218C13: got '7440-61-1'
## Warning: Expecting logical in W2218 / R2218C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2218 / R2218C24: got '1'
## Warning: Expecting logical in Y2218 / R2218C25: got 'ug/L'
## Warning: Expecting logical in M2219 / R2219C13: got '7439-96-5'
## Warning: Expecting logical in W2220 / R2220C23: got 'Upper Reporting Limit'
## Warning: Expecting logical in X2220 / R2220C24: got '140'
```

```
## Warning: Expecting logical in Y2220 / R2220C25: got 'mg/L'
## Warning: Expecting logical in M2221 / R2221C13: got '108-88-3'
## Warning: Expecting logical in W2221 / R2221C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2221 / R2221C24: got '5.0'
## Warning: Expecting logical in Y2221 / R2221C25: got 'ug/L'
## Warning: Expecting logical in M2222 / R2222C13: got '75-27-4'
## Warning: Expecting logical in W2222 / R2222C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2222 / R2222C24: got '5.0'
## Warning: Expecting logical in Y2222 / R2222C25: got 'ug/L'
## Warning: Expecting logical in M2223 / R2223C13: got '79-01-6'
## Warning: Expecting logical in W2223 / R2223C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2223 / R2223C24: got '5.0'
## Warning: Expecting logical in Y2223 / R2223C25: got 'ug/L'
## Warning: Expecting logical in M2224 / R2224C13: got '7440-09-7'
## Warning: Expecting logical in M2225 / R2225C13: got '75-25-2'
## Warning: Expecting logical in W2225 / R2225C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2225 / R2225C24: got '5.0'
## Warning: Expecting logical in Y2225 / R2225C25: got 'ug/L'
## Warning: Expecting logical in M2226 / R2226C13: got '108-87-2'
## Warning: Expecting logical in W2226 / R2226C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2226 / R2226C24: got '10'
## Warning: Expecting logical in Y2226 / R2226C25: got 'ug/L'
## Warning: Expecting logical in M2227 / R2227C13: got '78-93-3'
## Warning: Expecting logical in M2228 / R2228C13: got '75-15-0'
```

```
## Warning: Expecting logical in W2228 / R2228C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2228 / R2228C24: got '5.0'
## Warning: Expecting logical in Y2228 / R2228C25: got 'ug/L'
## Warning: Expecting logical in M2229 / R2229C13: got '7440-70-2'
## Warning: Expecting logical in M2230 / R2230C13: got '563-58-6'
## Warning: Expecting logical in W2230 / R2230C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2230 / R2230C24: got '5.0'
## Warning: Expecting logical in Y2230 / R2230C25: got 'ug/L'
## Warning: Expecting logical in M2231 / R2231C13: got '75-00-3'
## Warning: Expecting logical in W2231 / R2231C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2231 / R2231C24: got '10'
## Warning: Expecting logical in Y2231 / R2231C25: got 'ug/L'
## Warning: Expecting logical in M2232 / R2232C13: got '120-82-1'
## Warning: Expecting logical in W2232 / R2232C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2232 / R2232C24: got '5.0'
## Warning: Expecting logical in Y2232 / R2232C25: got 'ug/L'
## Warning: Expecting logical in M2233 / R2233C13: got '79-34-5'
## Warning: Expecting logical in W2233 / R2233C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2233 / R2233C24: got '5.0'
## Warning: Expecting logical in Y2233 / R2233C25: got 'ug/L'
## Warning: Expecting logical in M2234 / R2234C13: got '108-10-1'
## Warning: Expecting logical in W2234 / R2234C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2234 / R2234C24: got '50'
## Warning: Expecting logical in Y2234 / R2234C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2235 / R2235C13: got '107-06-2'
## Warning: Expecting logical in W2235 / R2235C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2235 / R2235C24: got '5.0'
## Warning: Expecting logical in Y2235 / R2235C25: got 'ug/L'
## Warning: Expecting logical in M2236 / R2236C13: got '75-34-3'
## Warning: Expecting logical in W2236 / R2236C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2236 / R2236C24: got '5.0'
## Warning: Expecting logical in Y2236 / R2236C25: got 'ug/L'
## Warning: Expecting logical in M2237 / R2237C13: got '594-20-7'
## Warning: Expecting logical in W2237 / R2237C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2237 / R2237C24: got '5.0'
## Warning: Expecting logical in Y2237 / R2237C25: got 'ug/L'
## Warning: Expecting logical in M2238 / R2238C13: got '26523-64-8'
## Warning: Expecting logical in W2238 / R2238C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2238 / R2238C24: got '10'
## Warning: Expecting logical in Y2238 / R2238C25: got 'ug/L'
## Warning: Expecting logical in M2239 / R2239C13: got '74-87-3'
## Warning: Expecting logical in W2239 / R2239C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2239 / R2239C24: got '10'
## Warning: Expecting logical in Y2239 / R2239C25: got 'ug/L'
## Warning: Expecting logical in M2240 / R2240C13: got '75-35-4'
## Warning: Expecting logical in W2240 / R2240C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2240 / R2240C24: got '5.0'
## Warning: Expecting logical in Y2240 / R2240C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2241 / R2241C13: got '127-18-4'
## Warning: Expecting logical in W2241 / R2241C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2241 / R2241C24: got '5.0'
## Warning: Expecting logical in Y2241 / R2241C25: got 'ug/L'
## Warning: Expecting logical in M2242 / R2242C13: got '142-28-9'
## Warning: Expecting logical in W2242 / R2242C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2242 / R2242C24: got '5.0'
## Warning: Expecting logical in Y2242 / R2242C25: got 'ug/L'
## Warning: Expecting logical in M2244 / R2244C13: got '67-66-3'
## Warning: Expecting logical in M2245 / R2245C13: got '156-60-5'
## Warning: Expecting logical in W2245 / R2245C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2245 / R2245C24: got '5.0'
## Warning: Expecting logical in Y2245 / R2245C25: got 'ug/L'
## Warning: Expecting logical in M2246 / R2246C13: got '7440-23-5'
## Warning: Expecting logical in M2247 / R2247C13: got '7440-66-6'
## Warning: Expecting logical in M2248 / R2248C13: got '74-97-5'
## Warning: Expecting logical in W2248 / R2248C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2248 / R2248C24: got '5.0'
## Warning: Expecting logical in Y2248 / R2248C25: got 'ug/L'
## Warning: Expecting logical in M2249 / R2249C13: got '591-78-6'
## Warning: Expecting logical in W2249 / R2249C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2249 / R2249C24: got '50'
## Warning: Expecting logical in Y2249 / R2249C25: got 'ug/L'
## Warning: Expecting logical in M2250 / R2250C13: got '7440-28-0'
```

```
## Warning: Expecting logical in W2250 / R2250C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2250 / R2250C24: got '1'
## Warning: Expecting logical in Y2250 / R2250C25: got 'ug/L'
## Warning: Expecting logical in M2251 / R2251C13: got '7440-22-4'
## Warning: Expecting logical in W2251 / R2251C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2251 / R2251C24: got '5'
## Warning: Expecting logical in Y2251 / R2251C25: got 'ug/L'
## Warning: Expecting logical in M2252 / R2252C13: got '7429-90-5'
## Warning: Expecting logical in M2253 / R2253C13: got '98-82-8'
## Warning: Expecting logical in W2253 / R2253C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2253 / R2253C24: got '5.0'
## Warning: Expecting logical in Y2253 / R2253C25: got 'ug/L'
## Warning: Expecting logical in M2254 / R2254C13: got '79-20-9'
## Warning: Expecting logical in W2254 / R2254C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2254 / R2254C24: got '10'
## Warning: Expecting logical in Y2254 / R2254C25: got 'ug/L'
## Warning: Expecting logical in M2256 / R2256C13: got '91-20-3'
## Warning: Expecting logical in W2256 / R2256C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2256 / R2256C24: got '5.0'
## Warning: Expecting logical in Y2256 / R2256C25: got 'ug/L'
## Warning: Expecting logical in M2257 / R2257C13: got '96-12-8'
## Warning: Expecting logical in W2257 / R2257C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2257 / R2257C24: got '5.0'
## Warning: Expecting logical in Y2257 / R2257C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2258 / R2258C13: got '100-41-4'
## Warning: Expecting logical in W2258 / R2258C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2258 / R2258C24: got '5.0'
## Warning: Expecting logical in Y2258 / R2258C25: got 'ug/L'
## Warning: Expecting logical in M2259 / R2259C13: got '7723-14-0'
## Warning: Expecting logical in R2259 / R2259C18: got 'as P'
## Warning: Expecting logical in M2260 / R2260C13: got '95-47-6'
## Warning: Expecting logical in W2260 / R2260C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2260 / R2260C24: got '5.0'
## Warning: Expecting logical in Y2260 / R2260C25: got 'ug/L'
## Warning: Expecting logical in M2261 / R2261C13: got '78-87-5'
## Warning: Expecting logical in W2261 / R2261C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2261 / R2261C24: got '5.0'
## Warning: Expecting logical in Y2261 / R2261C25: got 'ug/L'
## Warning: Expecting logical in M2262 / R2262C13: got '107-13-1'
## Warning: Expecting logical in W2262 / R2262C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2262 / R2262C24: got '200'
## Warning: Expecting logical in Y2262 / R2262C25: got 'ug/L'
## Warning: Expecting logical in M2263 / R2263C13: got '67-64-1'
## Warning: Expecting logical in M2264 / R2264C13: got '110-57-6'
## Warning: Expecting logical in W2264 / R2264C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2264 / R2264C24: got '100'
## Warning: Expecting logical in Y2264 / R2264C25: got 'ug/L'
## Warning: Expecting logical in M2265 / R2265C13: got '25155-15-1'
```

```
## Warning: Expecting logical in W2265 / R2265C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2265 / R2265C24: got '5.0'
## Warning: Expecting logical in Y2265 / R2265C25: got 'ug/L'
## Warning: Expecting logical in M2266 / R2266C13: got '106-46-7'
## Warning: Expecting logical in W2266 / R2266C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2266 / R2266C24: got '5.0'
## Warning: Expecting logical in Y2266 / R2266C25: got 'ug/L'
## Warning: Expecting logical in M2267 / R2267C13: got '95-50-1'
## Warning: Expecting logical in W2267 / R2267C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2267 / R2267C24: got '5.0'
## Warning: Expecting logical in Y2267 / R2267C25: got 'ug/L'
## Warning: Expecting logical in M2268 / R2268C13: got '7439-92-1'
## Warning: Expecting logical in W2268 / R2268C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2268 / R2268C24: got '1'
## Warning: Expecting logical in Y2268 / R2268C25: got 'ug/L'
## Warning: Expecting logical in M2269 / R2269C13: got '7440-36-0'
## Warning: Expecting logical in W2269 / R2269C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2269 / R2269C24: got '5'
## Warning: Expecting logical in Y2269 / R2269C25: got 'ug/L'
## Warning: Expecting logical in M2270 / R2270C13: got '7439-95-4'
## Warning: Expecting logical in M2271 / R2271C13: got '74-83-9'
## Warning: Expecting logical in W2271 / R2271C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2271 / R2271C24: got '10'
## Warning: Expecting logical in Y2271 / R2271C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2272 / R2272C13: got '124-48-1'
## Warning: Expecting logical in W2272 / R2272C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2272 / R2272C24: got '5.0'
## Warning: Expecting logical in Y2272 / R2272C25: got 'ug/L'
## Warning: Expecting logical in M2273 / R2273C13: got '104-51-8'
## Warning: Expecting logical in W2273 / R2273C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2273 / R2273C24: got '5.0'
## Warning: Expecting logical in Y2273 / R2273C25: got 'ug/L'
## Warning: Expecting logical in M2274 / R2274C13: got '7440-50-8'
## Warning: Expecting logical in M2275 / R2275C13: got '95-63-6'
## Warning: Expecting logical in W2275 / R2275C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2275 / R2275C24: got '5.0'
## Warning: Expecting logical in Y2275 / R2275C25: got 'ug/L'
## Warning: Expecting logical in M2276 / R2276C13: got '108-90-7'
## Warning: Expecting logical in W2276 / R2276C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2276 / R2276C24: got '5.0'
## Warning: Expecting logical in Y2276 / R2276C25: got 'ug/L'
## Warning: Expecting logical in M2277 / R2277C13: got '10061-01-5'
## Warning: Expecting logical in W2277 / R2277C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2277 / R2277C24: got '5.0'
## Warning: Expecting logical in Y2277 / R2277C25: got 'ug/L'
## Warning: Expecting logical in M2278 / R2278C13: got '75-71-8'
## Warning: Expecting logical in W2278 / R2278C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2278 / R2278C24: got '5.0'
```

```
## Warning: Expecting logical in Y2278 / R2278C25: got 'ug/L'
## Warning: Expecting logical in M2279 / R2279C13: got '56-23-5'
## Warning: Expecting logical in W2279 / R2279C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2279 / R2279C24: got '5.0'
## Warning: Expecting logical in Y2279 / R2279C25: got 'ug/L'
## Warning: Expecting logical in M2280 / R2280C13: got '179601-23-1'
## Warning: Expecting logical in W2280 / R2280C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2280 / R2280C24: got '10'
## Warning: Expecting logical in Y2280 / R2280C25: got 'ug/L'
## Warning: Expecting logical in M2281 / R2281C13: got '96-18-4'
## Warning: Expecting logical in W2281 / R2281C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2281 / R2281C24: got '5.0'
## Warning: Expecting logical in Y2281 / R2281C25: got 'ug/L'
## Warning: Expecting logical in M2282 / R2282C13: got '95-49-8'
## Warning: Expecting logical in W2282 / R2282C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2282 / R2282C24: got '5.0'
## Warning: Expecting logical in Y2282 / R2282C25: got 'ug/L'
## Warning: Expecting logical in M2283 / R2283C13: got '108-67-8'
## Warning: Expecting logical in W2283 / R2283C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2283 / R2283C24: got '5.0'
## Warning: Expecting logical in Y2283 / R2283C25: got 'ug/L'
## Warning: Expecting logical in M2284 / R2284C13: got '7429-90-5'
## Warning: Expecting logical in M2285 / R2285C13: got '7439-98-7'
## Warning: Expecting logical in W2285 / R2285C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2285 / R2285C24: got '5'
## Warning: Expecting logical in Y2285 / R2285C25: got 'ug/L'
## Warning: Expecting logical in M2286 / R2286C13: got '7782-49-2'
## Warning: Expecting logical in W2286 / R2286C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2286 / R2286C24: got '5'
## Warning: Expecting logical in Y2286 / R2286C25: got 'ug/L'
## Warning: Expecting logical in M2287 / R2287C13: got '7440-62-2'
## Warning: Expecting logical in W2287 / R2287C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2287 / R2287C24: got '10'
## Warning: Expecting logical in Y2287 / R2287C25: got 'ug/L'
## Warning: Expecting logical in M2288 / R2288C13: got '87-61-6'
## Warning: Expecting logical in W2288 / R2288C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2288 / R2288C24: got '5.0'
## Warning: Expecting logical in Y2288 / R2288C25: got 'ug/L'
## Warning: Expecting logical in M2289 / R2289C13: got '74-88-4'
## Warning: Expecting logical in W2289 / R2289C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2289 / R2289C24: got '5.0'
## Warning: Expecting logical in Y2289 / R2289C25: got 'ug/L'
## Warning: Expecting logical in M2290 / R2290C13: got '7440-31-5'
## Warning: Expecting logical in W2290 / R2290C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2290 / R2290C24: got '30'
## Warning: Expecting logical in Y2290 / R2290C25: got 'ug/L'
## Warning: Expecting logical in M2291 / R2291C13: got '106-93-4'
## Warning: Expecting logical in W2291 / R2291C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2291 / R2291C24: got '5.0'
## Warning: Expecting logical in Y2291 / R2291C25: got 'ug/L'
## Warning: Expecting logical in M2292 / R2292C13: got '630-20-6'
## Warning: Expecting logical in W2292 / R2292C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2292 / R2292C24: got '5.0'
## Warning: Expecting logical in Y2292 / R2292C25: got 'ug/L'
## Warning: Expecting logical in M2293 / R2293C13: got '98-06-6'
## Warning: Expecting logical in W2293 / R2293C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2293 / R2293C24: got '5.0'
## Warning: Expecting logical in Y2293 / R2293C25: got 'ug/L'
## Warning: Expecting logical in M2294 / R2294C13: got '87-68-3'
## Warning: Expecting logical in W2294 / R2294C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2294 / R2294C24: got '5.0'
## Warning: Expecting logical in Y2294 / R2294C25: got 'ug/L'
## Warning: Expecting logical in M2295 / R2295C13: got '135-98-8'
## Warning: Expecting logical in W2295 / R2295C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2295 / R2295C24: got '5.0'
## Warning: Expecting logical in Y2295 / R2295C25: got 'ug/L'
## Warning: Expecting logical in M2296 / R2296C13: got '7440-38-2'
## Warning: Expecting logical in W2296 / R2296C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2296 / R2296C24: got '5'
## Warning: Expecting logical in Y2296 / R2296C25: got 'ug/L'
## Warning: Expecting logical in M2297 / R2297C13: got '7439-89-6'
## Warning: Expecting logical in M2298 / R2298C13: got '103-65-1'
```

```
## Warning: Expecting logical in W2298 / R2298C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2298 / R2298C24: got '5.0'
## Warning: Expecting logical in Y2298 / R2298C25: got 'ug/L'
## Warning: Expecting logical in M2299 / R2299C13: got '108-86-1'
## Warning: Expecting logical in W2299 / R2299C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2299 / R2299C24: got '5.0'
## Warning: Expecting logical in Y2299 / R2299C25: got 'ug/L'
## Warning: Expecting logical in M2300 / R2300C13: got '10061-02-6'
## Warning: Expecting logical in W2300 / R2300C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2300 / R2300C24: got '5.0'
## Warning: Expecting logical in Y2300 / R2300C25: got 'ug/L'
## Warning: Expecting logical in M2301 / R2301C13: got '74-95-3'
## Warning: Expecting logical in W2301 / R2301C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2301 / R2301C24: got '5.0'
## Warning: Expecting logical in Y2301 / R2301C25: got 'ug/L'
## Warning: Expecting logical in M2302 / R2302C13: got '1634-04-4'
## Warning: Expecting logical in W2302 / R2302C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2302 / R2302C24: got '5.0'
## Warning: Expecting logical in Y2302 / R2302C25: got 'ug/L'
## Warning: Expecting logical in M2303 / R2303C13: got '75-09-2'
## Warning: Expecting logical in W2303 / R2303C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2303 / R2303C24: got '5.0'
## Warning: Expecting logical in Y2303 / R2303C25: got 'ug/L'
## Warning: Expecting logical in M2304 / R2304C13: got '75-69-4'
```

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## Warning: Expecting logical in W2304 / R2304C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2304 / R2304C24: got '5.0'
## Warning: Expecting logical in Y2304 / R2304C25: got 'ug/L'
## Warning: Expecting logical in M2305 / R2305C13: got '71-43-2'
## Warning: Expecting logical in W2305 / R2305C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2305 / R2305C24: got '5.0'
## Warning: Expecting logical in Y2305 / R2305C25: got 'ug/L'
## Warning: Expecting logical in M2306 / R2306C13: got '75-01-4'
## Warning: Expecting logical in W2306 / R2306C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2306 / R2306C24: got '2.0'
## Warning: Expecting logical in Y2306 / R2306C25: got 'ug/L'
## Warning: Expecting logical in M2307 / R2307C13: got '100-42-5'
## Warning: Expecting logical in W2307 / R2307C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2307 / R2307C24: got '5.0'
## Warning: Expecting logical in Y2307 / R2307C25: got 'ug/L'
## Warning: Expecting logical in M2308 / R2308C13: got '110-82-7'
## Warning: Expecting logical in W2308 / R2308C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2308 / R2308C24: got '10'
## Warning: Expecting logical in Y2308 / R2308C25: got 'ug/L'
## Warning: Expecting logical in M2309 / R2309C13: got '71-55-6'
## Warning: Expecting logical in W2309 / R2309C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2309 / R2309C24: got '5.0'
## Warning: Expecting logical in Y2309 / R2309C25: got 'ug/L'
## Warning: Expecting logical in M2311 / R2311C13: got '7440-02-0'
```

```
## Warning: Expecting logical in M2312 / R2312C13: got '108-05-4'
## Warning: Expecting logical in W2312 / R2312C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2312 / R2312C24: got '50'
## Warning: Expecting logical in Y2312 / R2312C25: got 'ug/L'
## Warning: Expecting logical in M2313 / R2313C13: got '156-59-2'
## Warning: Expecting logical in W2313 / R2313C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2313 / R2313C24: got '5.0'
## Warning: Expecting logical in Y2313 / R2313C25: got 'ug/L'
## Warning: Expecting logical in M2314 / R2314C13: got '7440-43-9'
## Warning: Expecting logical in W2314 / R2314C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2314 / R2314C24: got '0.7'
## Warning: Expecting logical in Y2314 / R2314C25: got 'ug/L'
## Warning: Expecting logical in M2315 / R2315C13: got '7440-47-3'
## Warning: Expecting logical in M2316 / R2316C13: got '7440-32-6'
## Warning: Expecting logical in W2316 / R2316C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2316 / R2316C24: got '10'
## Warning: Expecting logical in Y2316 / R2316C25: got 'ug/L'
## Warning: Expecting logical in W2317 / R2317C23: got 'Upper Reporting Limit'
## Warning: Expecting logical in X2317 / R2317C24: got '370'
## Warning: Expecting logical in Y2317 / R2317C25: got 'mg/L'
## Warning: Expecting logical in M2320 / R2320C13: got '7723-14-0'
## Warning: Expecting logical in R2320 / R2320C18: got 'as P'
## Warning: Expecting logical in R2321 / R2321C18: got 'as N'
## Warning: Expecting logical in W2325 / R2325C23: got 'Upper Reporting Limit'
```

```
## Warning: Expecting logical in X2325 / R2325C24: got '1500'
## Warning: Expecting logical in Y2325 / R2325C25: got 'mg/L'
## Warning: Expecting logical in M2326 / R2326C13: got '7723-14-0'
## Warning: Expecting logical in R2326 / R2326C18: got 'as P'
## Warning: Expecting logical in R2328 / R2328C18: got 'as N'
## Warning: Expecting logical in M2329 / R2329C13: got '7440-50-8'
## Warning: Expecting logical in W2329 / R2329C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2329 / R2329C24: got '5'
## Warning: Expecting logical in Y2329 / R2329C25: got 'ug/L'
## Warning: Expecting logical in M2330 / R2330C13: got '7440-41-7'
## Warning: Expecting logical in W2330 / R2330C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2330 / R2330C24: got '10'
## Warning: Expecting logical in Y2330 / R2330C25: got 'ug/L'
## Warning: Expecting logical in M2331 / R2331C13: got '7440-50-8'
## Warning: Expecting logical in W2331 / R2331C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2331 / R2331C24: got '20'
## Warning: Expecting logical in Y2331 / R2331C25: got 'ug/L'
## Warning: Expecting logical in M2332 / R2332C13: got '71-55-6'
## Warning: Expecting logical in W2332 / R2332C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2332 / R2332C24: got '5.0'
## Warning: Expecting logical in Y2332 / R2332C25: got 'ug/L'
## Warning: Expecting logical in M2333 / R2333C13: got '71-43-2'
## Warning: Expecting logical in W2333 / R2333C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2333 / R2333C24: got '5.0'
```

```
## Warning: Expecting logical in Y2333 / R2333C25: got 'ug/L'
## Warning: Expecting logical in M2334 / R2334C13: got '75-71-8'
## Warning: Expecting logical in W2334 / R2334C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2334 / R2334C24: got '5.0'
## Warning: Expecting logical in Y2334 / R2334C25: got 'ug/L'
## Warning: Expecting logical in M2335 / R2335C13: got '107-06-2'
## Warning: Expecting logical in W2335 / R2335C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2335 / R2335C24: got '5.0'
## Warning: Expecting logical in Y2335 / R2335C25: got 'ug/L'
## Warning: Expecting logical in M2336 / R2336C13: got '56-23-5'
## Warning: Expecting logical in W2336 / R2336C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2336 / R2336C24: got '5.0'
## Warning: Expecting logical in Y2336 / R2336C25: got 'ug/L'
## Warning: Expecting logical in M2337 / R2337C13: got '108-90-7'
## Warning: Expecting logical in W2337 / R2337C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2337 / R2337C24: got '5.0'
## Warning: Expecting logical in Y2337 / R2337C25: got 'ug/L'
## Warning: Expecting logical in M2338 / R2338C13: got '630-20-6'
## Warning: Expecting logical in W2338 / R2338C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2338 / R2338C24: got '5.0'
## Warning: Expecting logical in Y2338 / R2338C25: got 'ug/L'
## Warning: Expecting logical in M2339 / R2339C13: got '106-46-7'
## Warning: Expecting logical in W2339 / R2339C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2339 / R2339C24: got '5.0'
```

```
## Warning: Expecting logical in Y2339 / R2339C25: got 'ug/L'
## Warning: Expecting logical in M2340 / R2340C13: got '104-51-8'
## Warning: Expecting logical in W2340 / R2340C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2340 / R2340C24: got '5.0'
## Warning: Expecting logical in Y2340 / R2340C25: got 'ug/L'
## Warning: Expecting logical in M2341 / R2341C13: got '87-61-6'
## Warning: Expecting logical in W2341 / R2341C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2341 / R2341C24: got '5.0'
## Warning: Expecting logical in Y2341 / R2341C25: got 'ug/L'
## Warning: Expecting logical in M2342 / R2342C13: got '7440-02-0'
## Warning: Expecting logical in W2342 / R2342C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2342 / R2342C24: got '20'
## Warning: Expecting logical in Y2342 / R2342C25: got 'ug/L'
## Warning: Expecting logical in M2343 / R2343C13: got '7439-98-7'
## Warning: Expecting logical in W2343 / R2343C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2343 / R2343C24: got '5'
## Warning: Expecting logical in Y2343 / R2343C25: got 'ug/L'
## Warning: Expecting logical in M2344 / R2344C13: got '7440-31-5'
## Warning: Expecting logical in W2344 / R2344C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2344 / R2344C24: got '30'
## Warning: Expecting logical in Y2344 / R2344C25: got 'ug/L'
## Warning: Expecting logical in M2345 / R2345C13: got '7439-92-1'
## Warning: Expecting logical in W2345 / R2345C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2345 / R2345C24: got '1'
```

```
## Warning: Expecting logical in Y2345 / R2345C25: got 'ug/L'
## Warning: Expecting logical in M2346 / R2346C13: got '7439-89-6'
## Warning: Expecting logical in M2347 / R2347C13: got '103-65-1'
## Warning: Expecting logical in W2347 / R2347C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2347 / R2347C24: got '5.0'
## Warning: Expecting logical in Y2347 / R2347C25: got 'ug/L'
## Warning: Expecting logical in M2348 / R2348C13: got '7440-32-6'
## Warning: Expecting logical in W2348 / R2348C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2348 / R2348C24: got '10'
## Warning: Expecting logical in Y2348 / R2348C25: got 'ug/L'
## Warning: Expecting logical in M2349 / R2349C13: got '7440-09-7'
## Warning: Expecting logical in W2349 / R2349C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2349 / R2349C24: got '5000'
## Warning: Expecting logical in Y2349 / R2349C25: got 'ug/L'
## Warning: Expecting logical in M2350 / R2350C13: got '7440-02-0'
## Warning: Expecting logical in W2350 / R2350C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2350 / R2350C24: got '10'
## Warning: Expecting logical in Y2350 / R2350C25: got 'ug/L'
## Warning: Expecting logical in M2351 / R2351C13: got '25735-29-9'
## Warning: Expecting logical in W2351 / R2351C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2351 / R2351C24: got '5.0'
## Warning: Expecting logical in Y2351 / R2351C25: got 'ug/L'
## Warning: Expecting logical in M2352 / R2352C13: got '10061-02-6'
## Warning: Expecting logical in W2352 / R2352C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2352 / R2352C24: got '5.0'
## Warning: Expecting logical in Y2352 / R2352C25: got 'ug/L'
## Warning: Expecting logical in M2353 / R2353C13: got '7440-43-9'
## Warning: Expecting logical in W2353 / R2353C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2353 / R2353C24: got '0.7'
## Warning: Expecting logical in Y2353 / R2353C25: got 'ug/L'
## Warning: Expecting logical in M2354 / R2354C13: got '7782-49-2'
## Warning: Expecting logical in W2354 / R2354C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2354 / R2354C24: got '190'
## Warning: Expecting logical in Y2354 / R2354C25: got 'ug/L'
## Warning: Expecting logical in M2355 / R2355C13: got '7440-43-9'
## Warning: Expecting logical in W2355 / R2355C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2355 / R2355C24: got '10'
## Warning: Expecting logical in Y2355 / R2355C25: got 'ug/L'
## Warning: Expecting logical in M2356 / R2356C13: got '95-50-1'
## Warning: Expecting logical in W2356 / R2356C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2356 / R2356C24: got '5.0'
## Warning: Expecting logical in Y2356 / R2356C25: got 'ug/L'
## Warning: Expecting logical in M2357 / R2357C13: got '98-82-8'
## Warning: Expecting logical in W2357 / R2357C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2357 / R2357C24: got '5.0'
## Warning: Expecting logical in Y2357 / R2357C25: got 'ug/L'
## Warning: Expecting logical in M2358 / R2358C13: got '100-42-5'
## Warning: Expecting logical in W2358 / R2358C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2358 / R2358C24: got '5.0'
## Warning: Expecting logical in Y2358 / R2358C25: got 'ug/L'
## Warning: Expecting logical in M2359 / R2359C13: got '95-49-8'
## Warning: Expecting logical in W2359 / R2359C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2359 / R2359C24: got '5.0'
## Warning: Expecting logical in Y2359 / R2359C25: got 'ug/L'
## Warning: Expecting logical in M2360 / R2360C13: got '7440-36-0'
## Warning: Expecting logical in W2360 / R2360C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2360 / R2360C24: got '120'
## Warning: Expecting logical in Y2360 / R2360C25: got 'ug/L'
## Warning: Expecting logical in M2361 / R2361C13: got '14808-79-8'
## Warning: Expecting logical in M2362 / R2362C13: got '7440-39-3'
## Warning: Expecting logical in M2363 / R2363C13: got '7440-22-4'
## Warning: Expecting logical in W2363 / R2363C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2363 / R2363C24: got '5'
## Warning: Expecting logical in Y2363 / R2363C25: got 'ug/L'
## Warning: Expecting logical in M2364 / R2364C13: got '98-06-6'
## Warning: Expecting logical in W2364 / R2364C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2364 / R2364C24: got '5.0'
## Warning: Expecting logical in Y2364 / R2364C25: got 'ug/L'
## Warning: Expecting logical in M2365 / R2365C13: got '95-63-6'
## Warning: Expecting logical in W2365 / R2365C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2365 / R2365C24: got '5.0'
## Warning: Expecting logical in Y2365 / R2365C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2366 / R2366C13: got '7440-22-4'
## Warning: Expecting logical in W2366 / R2366C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2366 / R2366C24: got '10'
## Warning: Expecting logical in Y2366 / R2366C25: got 'ug/L'
## Warning: Expecting logical in M2367 / R2367C13: got '78-87-5'
## Warning: Expecting logical in W2367 / R2367C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2367 / R2367C24: got '5.0'
## Warning: Expecting logical in Y2367 / R2367C25: got 'ug/L'
## Warning: Expecting logical in M2368 / R2368C13: got '594-20-7'
## Warning: Expecting logical in W2368 / R2368C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2368 / R2368C24: got '5.0'
## Warning: Expecting logical in Y2368 / R2368C25: got 'ug/L'
## Warning: Expecting logical in M2369 / R2369C13: got '74-87-3'
## Warning: Expecting logical in W2369 / R2369C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2369 / R2369C24: got '5.0'
## Warning: Expecting logical in Y2369 / R2369C25: got 'ug/L'
## Warning: Expecting logical in M2370 / R2370C13: got '7782-49-2'
## Warning: Expecting logical in W2370 / R2370C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2370 / R2370C24: got '5'
## Warning: Expecting logical in Y2370 / R2370C25: got 'ug/L'
## Warning: Expecting logical in M2371 / R2371C13: got '7439-95-4'
## Warning: Expecting logical in M2372 / R2372C13: got '7429-90-5'
## Warning: Expecting logical in W2372 / R2372C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2372 / R2372C24: got '100'
```

```
## Warning: Expecting logical in Y2372 / R2372C25: got 'ug/L'
## Warning: Expecting logical in M2373 / R2373C13: got '7440-66-6'
## Warning: Expecting logical in W2373 / R2373C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2373 / R2373C24: got '20'
## Warning: Expecting logical in Y2373 / R2373C25: got 'ug/L'
## Warning: Expecting logical in M2374 / R2374C13: got '120-82-1'
## Warning: Expecting logical in W2374 / R2374C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2374 / R2374C24: got '5.0'
## Warning: Expecting logical in Y2374 / R2374C25: got 'ug/L'
## Warning: Expecting logical in M2375 / R2375C13: got '106-43-4'
## Warning: Expecting logical in W2375 / R2375C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2375 / R2375C24: got '5.0'
## Warning: Expecting logical in Y2375 / R2375C25: got 'ug/L'
## Warning: Expecting logical in M2376 / R2376C13: got '108-86-1'
## Warning: Expecting logical in W2376 / R2376C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2376 / R2376C24: got '5.0'
## Warning: Expecting logical in Y2376 / R2376C25: got 'ug/L'
## Warning: Expecting logical in M2377 / R2377C13: got '124-48-1'
## Warning: Expecting logical in W2377 / R2377C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2377 / R2377C24: got '5.0'
## Warning: Expecting logical in Y2377 / R2377C25: got 'ug/L'
## Warning: Expecting logical in M2378 / R2378C13: got '75-27-4'
## Warning: Expecting logical in W2378 / R2378C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2378 / R2378C24: got '5.0'
```

```
## Warning: Expecting logical in Y2378 / R2378C25: got 'ug/L'
## Warning: Expecting logical in M2379 / R2379C13: got '75-34-3'
## Warning: Expecting logical in W2379 / R2379C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2379 / R2379C24: got '5.0'
## Warning: Expecting logical in Y2379 / R2379C25: got 'ug/L'
## Warning: Expecting logical in M2380 / R2380C13: got '75-69-4'
## Warning: Expecting logical in W2380 / R2380C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2380 / R2380C24: got '5.0'
## Warning: Expecting logical in Y2380 / R2380C25: got 'ug/L'
## Warning: Expecting logical in M2381 / R2381C13: got '75-35-4'
## Warning: Expecting logical in W2381 / R2381C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2381 / R2381C24: got '5.0'
## Warning: Expecting logical in Y2381 / R2381C25: got 'ug/L'
## Warning: Expecting logical in M2382 / R2382C13: got '7440-61-1'
## Warning: Expecting logical in W2382 / R2382C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2382 / R2382C24: got '1'
## Warning: Expecting logical in Y2382 / R2382C25: got 'ug/L'
## Warning: Expecting logical in M2383 / R2383C13: got '156-59-2'
## Warning: Expecting logical in W2383 / R2383C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2383 / R2383C24: got '5.0'
## Warning: Expecting logical in Y2383 / R2383C25: got 'ug/L'
## Warning: Expecting logical in M2384 / R2384C13: got '75-25-2'
## Warning: Expecting logical in W2384 / R2384C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2384 / R2384C24: got '5.0'
```

```
## Warning: Expecting logical in Y2384 / R2384C25: got 'ug/L'
## Warning: Expecting logical in M2385 / R2385C13: got '7440-39-3'
## Warning: Expecting logical in M2386 / R2386C13: got '7429-90-5'
## Warning: Expecting logical in W2386 / R2386C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2386 / R2386C24: got '50'
## Warning: Expecting logical in Y2386 / R2386C25: got 'ug/L'
## Warning: Expecting logical in M2387 / R2387C13: got '7440-38-2'
## Warning: Expecting logical in W2387 / R2387C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2387 / R2387C24: got '5'
## Warning: Expecting logical in Y2387 / R2387C25: got 'ug/L'
## Warning: Expecting logical in M2388 / R2388C13: got '75-09-2'
## Warning: Expecting logical in W2388 / R2388C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2388 / R2388C24: got '5.0'
## Warning: Expecting logical in Y2388 / R2388C25: got 'ug/L'
## Warning: Expecting logical in M2389 / R2389C13: got '74-97-5'
## Warning: Expecting logical in W2389 / R2389C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2389 / R2389C24: got '5.0'
## Warning: Expecting logical in Y2389 / R2389C25: got 'ug/L'
## Warning: Expecting logical in M2390 / R2390C13: got '127-18-4'
## Warning: Expecting logical in W2390 / R2390C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2390 / R2390C24: got '5.0'
## Warning: Expecting logical in Y2390 / R2390C25: got 'ug/L'
## Warning: Expecting logical in M2391 / R2391C13: got '1330-20-7'
## Warning: Expecting logical in W2391 / R2391C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2391 / R2391C24: got '5.0'
## Warning: Expecting logical in Y2391 / R2391C25: got 'ug/L'
## Warning: Expecting logical in M2392 / R2392C13: got '135-98-8'
## Warning: Expecting logical in W2392 / R2392C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2392 / R2392C24: got '5.0'
## Warning: Expecting logical in Y2392 / R2392C25: got 'ug/L'
## Warning: Expecting logical in M2393 / R2393C13: got '7440-23-5'
## Warning: Expecting logical in M2394 / R2394C13: got '7440-28-0'
## Warning: Expecting logical in W2394 / R2394C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2394 / R2394C24: got '1'
## Warning: Expecting logical in Y2394 / R2394C25: got 'ug/L'
## Warning: Expecting logical in M2395 / R2395C13: got '7440-66-6'
## Warning: Expecting logical in W2395 / R2395C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2395 / R2395C24: got '10'
## Warning: Expecting logical in Y2395 / R2395C25: got 'ug/L'
## Warning: Expecting logical in M2396 / R2396C13: got '16984-48-8'
## Warning: Expecting logical in M2397 / R2397C13: got '87-68-3'
## Warning: Expecting logical in W2397 / R2397C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2397 / R2397C24: got '5.0'
## Warning: Expecting logical in Y2397 / R2397C25: got 'ug/L'
## Warning: Expecting logical in M2398 / R2398C13: got '99-87-6'
## Warning: Expecting logical in W2398 / R2398C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2398 / R2398C24: got '5.0'
## Warning: Expecting logical in Y2398 / R2398C25: got 'ug/L'
```

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## Warning: Expecting logical in M2399 / R2399C13: got '100-41-4'
## Warning: Expecting logical in W2399 / R2399C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2399 / R2399C24: got '5.0'
## Warning: Expecting logical in Y2399 / R2399C25: got 'ug/L'
## Warning: Expecting logical in M2400 / R2400C13: got '156-60-5'
## Warning: Expecting logical in W2400 / R2400C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2400 / R2400C24: got '5.0'
## Warning: Expecting logical in Y2400 / R2400C25: got 'ug/L'
## Warning: Expecting logical in M2401 / R2401C13: got '75-01-4'
## Warning: Expecting logical in W2401 / R2401C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2401 / R2401C24: got '5.0'
## Warning: Expecting logical in Y2401 / R2401C25: got 'ug/L'
## Warning: Expecting logical in M2402 / R2402C13: got '7440-47-3'
## Warning: Expecting logical in W2402 / R2402C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2402 / R2402C24: got '5'
## Warning: Expecting logical in Y2402 / R2402C25: got 'ug/L'
## Warning: Expecting logical in M2403 / R2403C13: got '7440-62-2'
## Warning: Expecting logical in W2403 / R2403C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2403 / R2403C24: got '10'
## Warning: Expecting logical in Y2403 / R2403C25: got 'ug/L'
## Warning: Expecting logical in M2404 / R2404C13: got '7440-36-0'
## Warning: Expecting logical in W2404 / R2404C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2404 / R2404C24: got '5'
## Warning: Expecting logical in Y2404 / R2404C25: got 'ug/L'
```

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## Warning: Expecting logical in M2405 / R2405C13: got '7723-14-0'
## Warning: Expecting logical in R2405 / R2405C18: got 'as P'
## Warning: Expecting logical in W2405 / R2405C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2405 / R2405C24: got '0.02'
## Warning: Expecting logical in Y2405 / R2405C25: got 'mg/L'
## Warning: Expecting logical in R2406 / R2406C18: got 'as N'
## Warning: Expecting logical in W2406 / R2406C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2406 / R2406C24: got '0.02'
## Warning: Expecting logical in Y2406 / R2406C25: got 'mg/L'
## Warning: Expecting logical in M2407 / R2407C13: got '7440-48-4'
## Warning: Expecting logical in W2407 / R2407C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2407 / R2407C24: got '10'
## Warning: Expecting logical in Y2407 / R2407C25: got 'ug/L'
## Warning: Expecting logical in M2408 / R2408C13: got '7440-28-0'
## Warning: Expecting logical in W2408 / R2408C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2408 / R2408C24: got '200'
## Warning: Expecting logical in Y2408 / R2408C25: got 'ug/L'
## Warning: Expecting logical in M2409 / R2409C13: got '79-34-5'
## Warning: Expecting logical in W2409 / R2409C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2409 / R2409C24: got '5.0'
## Warning: Expecting logical in Y2409 / R2409C25: got 'ug/L'
## Warning: Expecting logical in M2410 / R2410C13: got '142-28-9'
## Warning: Expecting logical in W2410 / R2410C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2410 / R2410C24: got '5.0'
```

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## Warning: Expecting logical in Y2410 / R2410C25: got 'ug/L'
## Warning: Expecting logical in M2411 / R2411C13: got '10061-01-5'
## Warning: Expecting logical in W2411 / R2411C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2411 / R2411C24: got '5.0'
## Warning: Expecting logical in Y2411 / R2411C25: got 'ug/L'
## Warning: Expecting logical in M2412 / R2412C13: got '74-95-3'
## Warning: Expecting logical in W2412 / R2412C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2412 / R2412C24: got '5.0'
## Warning: Expecting logical in Y2412 / R2412C25: got 'ug/L'
## Warning: Expecting logical in M2413 / R2413C13: got '96-12-8'
## Warning: Expecting logical in W2413 / R2413C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2413 / R2413C24: got '5.0'
## Warning: Expecting logical in Y2413 / R2413C25: got 'ug/L'
## Warning: Expecting logical in M2414 / R2414C13: got '75-00-3'
## Warning: Expecting logical in W2414 / R2414C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2414 / R2414C24: got '5.0'
## Warning: Expecting logical in Y2414 / R2414C25: got 'ug/L'
## Warning: Expecting logical in M2415 / R2415C13: got '74-83-9'
## Warning: Expecting logical in W2415 / R2415C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2415 / R2415C24: got '5.0'
## Warning: Expecting logical in Y2415 / R2415C25: got 'ug/L'
## Warning: Expecting logical in M2416 / R2416C13: got '67-66-3'
## Warning: Expecting logical in W2416 / R2416C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2416 / R2416C24: got '5.0'
```

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## Warning: Expecting logical in Y2416 / R2416C25: got 'ug/L'
## Warning: Expecting logical in M2417 / R2417C13: got '7440-38-2'
## Warning: Expecting logical in W2417 / R2417C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2417 / R2417C24: got '80'
## Warning: Expecting logical in Y2417 / R2417C25: got 'ug/L'
## Warning: Expecting logical in M2418 / R2418C13: got '7440-47-3'
## Warning: Expecting logical in W2418 / R2418C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2418 / R2418C24: got '20'
## Warning: Expecting logical in Y2418 / R2418C25: got 'ug/L'
## Warning: Expecting logical in M2419 / R2419C13: got '7439-92-1'
## Warning: Expecting logical in W2419 / R2419C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2419 / R2419C24: got '90'
## Warning: Expecting logical in Y2419 / R2419C25: got 'ug/L'
## Warning: Expecting logical in M2420 / R2420C13: got '79-01-6'
## Warning: Expecting logical in W2420 / R2420C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2420 / R2420C24: got '5.0'
## Warning: Expecting logical in Y2420 / R2420C25: got 'ug/L'
## Warning: Expecting logical in M2421 / R2421C13: got '106-93-4'
## Warning: Expecting logical in W2421 / R2421C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2421 / R2421C24: got '5.0'
## Warning: Expecting logical in Y2421 / R2421C25: got 'ug/L'
## Warning: Expecting logical in M2422 / R2422C13: got '16887-00-6'
## Warning: Expecting logical in M2423 / R2423C13: got '108-67-8'
## Warning: Expecting logical in W2423 / R2423C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2423 / R2423C24: got '5.0'
## Warning: Expecting logical in Y2423 / R2423C25: got 'ug/L'
## Warning: Expecting logical in M2424 / R2424C13: got '79-00-5'
## Warning: Expecting logical in W2424 / R2424C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2424 / R2424C24: got '5.0'
## Warning: Expecting logical in Y2424 / R2424C25: got 'ug/L'
## Warning: Expecting logical in M2425 / R2425C13: got '7439-96-5'
## Warning: Expecting logical in W2425 / R2425C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2425 / R2425C24: got '10'
## Warning: Expecting logical in Y2425 / R2425C25: got 'ug/L'
## Warning: Expecting logical in M2426 / R2426C13: got '563-58-6'
## Warning: Expecting logical in W2426 / R2426C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2426 / R2426C24: got '5.0'
## Warning: Expecting logical in Y2426 / R2426C25: got 'ug/L'
## Warning: Expecting logical in M2427 / R2427C13: got '108-88-3'
## Warning: Expecting logical in W2427 / R2427C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2427 / R2427C24: got '5.0'
## Warning: Expecting logical in Y2427 / R2427C25: got 'ug/L'
## Warning: Expecting logical in M2428 / R2428C13: got '541-73-1'
## Warning: Expecting logical in W2428 / R2428C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2428 / R2428C24: got '5.0'
## Warning: Expecting logical in Y2428 / R2428C25: got 'ug/L'
## Warning: Expecting logical in M2429 / R2429C13: got '91-20-3'
## Warning: Expecting logical in W2429 / R2429C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2429 / R2429C24: got '5.0'
## Warning: Expecting logical in Y2429 / R2429C25: got 'ug/L'
## Warning: Expecting logical in M2430 / R2430C13: got '1634-04-4'
## Warning: Expecting logical in W2430 / R2430C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2430 / R2430C24: got '5.0'
## Warning: Expecting logical in Y2430 / R2430C25: got 'ug/L'
## Warning: Expecting logical in M2431 / R2431C13: got '7440-70-2'
## Warning: Expecting logical in M2432 / R2432C13: got '7439-92-1'
## Warning: Expecting logical in W2432 / R2432C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2432 / R2432C24: got '90'
## Warning: Expecting logical in Y2432 / R2432C25: got 'ug/L'
## Warning: Expecting logical in M2433 / R2433C13: got '7440-43-9'
## Warning: Expecting logical in W2433 / R2433C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2433 / R2433C24: got '0.7'
## Warning: Expecting logical in Y2433 / R2433C25: got 'ug/L'
## Warning: Expecting logical in M2434 / R2434C13: got '7440-70-2'
## Warning: Expecting logical in M2435 / R2435C13: got '100-42-5'
## Warning: Expecting logical in W2435 / R2435C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2435 / R2435C24: got '5.0'
## Warning: Expecting logical in Y2435 / R2435C25: got 'ug/L'
## Warning: Expecting logical in M2436 / R2436C13: got '75-25-2'
## Warning: Expecting logical in W2436 / R2436C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2436 / R2436C24: got '5.0'
## Warning: Expecting logical in Y2436 / R2436C25: got 'ug/L'
```

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## Warning: Expecting logical in M2437 / R2437C13: got '108-67-8'
## Warning: Expecting logical in W2437 / R2437C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2437 / R2437C24: got '5.0'
## Warning: Expecting logical in Y2437 / R2437C25: got 'ug/L'
## Warning: Expecting logical in M2438 / R2438C13: got '87-68-3'
## Warning: Expecting logical in W2438 / R2438C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2438 / R2438C24: got '5.0'
## Warning: Expecting logical in Y2438 / R2438C25: got 'ug/L'
## Warning: Expecting logical in M2439 / R2439C13: got '7440-39-3'
## Warning: Expecting logical in M2440 / R2440C13: got '7439-89-6'
## Warning: Expecting logical in M2441 / R2441C13: got '7440-28-0'
## Warning: Expecting logical in W2441 / R2441C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2441 / R2441C24: got '200'
## Warning: Expecting logical in Y2441 / R2441C25: got 'ug/L'
## Warning: Expecting logical in M2442 / R2442C13: got '7440-47-3'
## Warning: Expecting logical in W2442 / R2442C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2442 / R2442C24: got '5'
## Warning: Expecting logical in Y2442 / R2442C25: got 'ug/L'
## Warning: Expecting logical in M2443 / R2443C13: got '7440-02-0'
## Warning: Expecting logical in W2443 / R2443C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2443 / R2443C24: got '20'
## Warning: Expecting logical in Y2443 / R2443C25: got 'ug/L'
## Warning: Expecting logical in M2444 / R2444C13: got '7440-36-0'
## Warning: Expecting logical in W2444 / R2444C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2444 / R2444C24: got '120'
## Warning: Expecting logical in Y2444 / R2444C25: got 'ug/L'
## Warning: Expecting logical in M2445 / R2445C13: got '541-73-1'
## Warning: Expecting logical in W2445 / R2445C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2445 / R2445C24: got '5.0'
## Warning: Expecting logical in Y2445 / R2445C25: got 'ug/L'
## Warning: Expecting logical in M2446 / R2446C13: got '108-86-1'
## Warning: Expecting logical in W2446 / R2446C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2446 / R2446C24: got '5.0'
## Warning: Expecting logical in Y2446 / R2446C25: got 'ug/L'
## Warning: Expecting logical in M2447 / R2447C13: got '1330-20-7'
## Warning: Expecting logical in W2447 / R2447C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2447 / R2447C24: got '5.0'
## Warning: Expecting logical in Y2447 / R2447C25: got 'ug/L'
## Warning: Expecting logical in M2448 / R2448C13: got '79-01-6'
## Warning: Expecting logical in W2448 / R2448C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2448 / R2448C24: got '5.0'
## Warning: Expecting logical in Y2448 / R2448C25: got 'ug/L'
## Warning: Expecting logical in M2449 / R2449C13: got '75-00-3'
## Warning: Expecting logical in W2449 / R2449C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2449 / R2449C24: got '5.0'
## Warning: Expecting logical in Y2449 / R2449C25: got 'ug/L'
## Warning: Expecting logical in M2450 / R2450C13: got '74-87-3'
## Warning: Expecting logical in W2450 / R2450C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2450 / R2450C24: got '5.0'
## Warning: Expecting logical in Y2450 / R2450C25: got 'ug/L'
## Warning: Expecting logical in M2451 / R2451C13: got '74-83-9'
## Warning: Expecting logical in W2451 / R2451C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2451 / R2451C24: got '5.0'
## Warning: Expecting logical in Y2451 / R2451C25: got 'ug/L'
## Warning: Expecting logical in M2452 / R2452C13: got '78-87-5'
## Warning: Expecting logical in W2452 / R2452C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2452 / R2452C24: got '5.0'
## Warning: Expecting logical in Y2452 / R2452C25: got 'ug/L'
## Warning: Expecting logical in M2453 / R2453C13: got '10061-02-6'
## Warning: Expecting logical in W2453 / R2453C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2453 / R2453C24: got '5.0'
## Warning: Expecting logical in Y2453 / R2453C25: got 'ug/L'
## Warning: Expecting logical in M2454 / R2454C13: got '106-93-4'
## Warning: Expecting logical in W2454 / R2454C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2454 / R2454C24: got '5.0'
## Warning: Expecting logical in Y2454 / R2454C25: got 'ug/L'
## Warning: Expecting logical in M2455 / R2455C13: got '106-46-7'
## Warning: Expecting logical in W2455 / R2455C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2455 / R2455C24: got '5.0'
## Warning: Expecting logical in Y2455 / R2455C25: got 'ug/L'
## Warning: Expecting logical in M2456 / R2456C13: got '7440-38-2'
## Warning: Expecting logical in W2456 / R2456C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2456 / R2456C24: got '80'
## Warning: Expecting logical in Y2456 / R2456C25: got 'ug/L'
## Warning: Expecting logical in M2457 / R2457C13: got '7440-22-4'
## Warning: Expecting logical in W2457 / R2457C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2457 / R2457C24: got '10'
## Warning: Expecting logical in Y2457 / R2457C25: got 'ug/L'
## Warning: Expecting logical in M2458 / R2458C13: got '16887-00-6'
## Warning: Expecting logical in M2459 / R2459C13: got '7440-66-6'
## Warning: Expecting logical in W2459 / R2459C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2459 / R2459C24: got '20'
## Warning: Expecting logical in Y2459 / R2459C25: got 'ug/L'
## Warning: Expecting logical in M2460 / R2460C13: got '74-97-5'
## Warning: Expecting logical in W2460 / R2460C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2460 / R2460C24: got '5.0'
## Warning: Expecting logical in Y2460 / R2460C25: got 'ug/L'
## Warning: Expecting logical in M2461 / R2461C13: got '103-65-1'
## Warning: Expecting logical in W2461 / R2461C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2461 / R2461C24: got '5.0'
## Warning: Expecting logical in Y2461 / R2461C25: got 'ug/L'
## Warning: Expecting logical in M2462 / R2462C13: got '95-63-6'
## Warning: Expecting logical in W2462 / R2462C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2462 / R2462C24: got '5.0'
## Warning: Expecting logical in Y2462 / R2462C25: got 'ug/L'
## Warning: Expecting logical in M2463 / R2463C13: got '75-34-3'
```

```
## Warning: Expecting logical in W2463 / R2463C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2463 / R2463C24: got '5.0'
## Warning: Expecting logical in Y2463 / R2463C25: got 'ug/L'
## Warning: Expecting logical in M2464 / R2464C13: got '95-50-1'
## Warning: Expecting logical in W2464 / R2464C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2464 / R2464C24: got '5.0'
## Warning: Expecting logical in Y2464 / R2464C25: got 'ug/L'
## Warning: Expecting logical in M2465 / R2465C13: got '96-12-8'
## Warning: Expecting logical in W2465 / R2465C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2465 / R2465C24: got '5.0'
## Warning: Expecting logical in Y2465 / R2465C25: got 'ug/L'
## Warning: Expecting logical in M2466 / R2466C13: got '7440-38-2'
## Warning: Expecting logical in W2466 / R2466C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2466 / R2466C24: got '5'
## Warning: Expecting logical in Y2466 / R2466C25: got 'ug/L'
## Warning: Expecting logical in M2467 / R2467C13: got '104-51-8'
## Warning: Expecting logical in W2467 / R2467C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2467 / R2467C24: got '5.0'
## Warning: Expecting logical in Y2467 / R2467C25: got 'ug/L'
## Warning: Expecting logical in M2468 / R2468C13: got '7429-90-5'
## Warning: Expecting logical in W2468 / R2468C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2468 / R2468C24: got '100'
## Warning: Expecting logical in Y2468 / R2468C25: got 'ug/L'
## Warning: Expecting logical in M2469 / R2469C13: got '7440-41-7'
```

```
## Warning: Expecting logical in W2469 / R2469C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2469 / R2469C24: got '10'
## Warning: Expecting logical in Y2469 / R2469C25: got 'ug/L'
## Warning: Expecting logical in M2470 / R2470C13: got '7439-98-7'
## Warning: Expecting logical in W2470 / R2470C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2470 / R2470C24: got '5'
## Warning: Expecting logical in Y2470 / R2470C25: got 'ug/L'
## Warning: Expecting logical in M2471 / R2471C13: got '7440-62-2'
## Warning: Expecting logical in W2471 / R2471C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2471 / R2471C24: got '10'
## Warning: Expecting logical in Y2471 / R2471C25: got 'ug/L'
## Warning: Expecting logical in M2472 / R2472C13: got '7440-61-1'
## Warning: Expecting logical in W2472 / R2472C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2472 / R2472C24: got '1'
## Warning: Expecting logical in Y2472 / R2472C25: got 'ug/L'
## Warning: Expecting logical in M2473 / R2473C13: got '7439-96-5'
## Warning: Expecting logical in M2474 / R2474C13: got '7440-50-8'
## Warning: Expecting logical in W2474 / R2474C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2474 / R2474C24: got '20'
## Warning: Expecting logical in Y2474 / R2474C25: got 'ug/L'
## Warning: Expecting logical in M2475 / R2475C13: got '87-61-6'
## Warning: Expecting logical in W2475 / R2475C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2475 / R2475C24: got '5.0'
## Warning: Expecting logical in Y2475 / R2475C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2476 / R2476C13: got '91-20-3'
## Warning: Expecting logical in W2476 / R2476C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2476 / R2476C24: got '5.0'
## Warning: Expecting logical in Y2476 / R2476C25: got 'ug/L'
## Warning: Expecting logical in M2477 / R2477C13: got '75-69-4'
## Warning: Expecting logical in W2477 / R2477C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2477 / R2477C24: got '5.0'
## Warning: Expecting logical in Y2477 / R2477C25: got 'ug/L'
## Warning: Expecting logical in M2478 / R2478C13: got '594-20-7'
## Warning: Expecting logical in W2478 / R2478C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2478 / R2478C24: got '5.0'
## Warning: Expecting logical in Y2478 / R2478C25: got 'ug/L'
## Warning: Expecting logical in M2479 / R2479C13: got '156-59-2'
## Warning: Expecting logical in W2479 / R2479C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2479 / R2479C24: got '5.0'
## Warning: Expecting logical in Y2479 / R2479C25: got 'ug/L'
## Warning: Expecting logical in M2480 / R2480C13: got '98-82-8'
## Warning: Expecting logical in W2480 / R2480C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2480 / R2480C24: got '5.0'
## Warning: Expecting logical in Y2480 / R2480C25: got 'ug/L'
## Warning: Expecting logical in M2481 / R2481C13: got '95-49-8'
## Warning: Expecting logical in W2481 / R2481C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2481 / R2481C24: got '5.0'
## Warning: Expecting logical in Y2481 / R2481C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2482 / R2482C13: got '7440-43-9'
## Warning: Expecting logical in W2482 / R2482C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2482 / R2482C24: got '10'
## Warning: Expecting logical in Y2482 / R2482C25: got 'ug/L'
## Warning: Expecting logical in M2483 / R2483C13: got '7429-90-5'
## Warning: Expecting logical in W2483 / R2483C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2483 / R2483C24: got '50'
## Warning: Expecting logical in Y2483 / R2483C25: got 'ug/L'
## Warning: Expecting logical in M2484 / R2484C13: got '7440-36-0'
## Warning: Expecting logical in W2484 / R2484C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2484 / R2484C24: got '5'
## Warning: Expecting logical in Y2484 / R2484C25: got 'ug/L'
## Warning: Expecting logical in M2485 / R2485C13: got '156-60-5'
## Warning: Expecting logical in W2485 / R2485C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2485 / R2485C24: got '5.0'
## Warning: Expecting logical in Y2485 / R2485C25: got 'ug/L'
## Warning: Expecting logical in M2486 / R2486C13: got '142-28-9'
## Warning: Expecting logical in W2486 / R2486C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2486 / R2486C24: got '5.0'
## Warning: Expecting logical in Y2486 / R2486C25: got 'ug/L'
## Warning: Expecting logical in M2487 / R2487C13: got '100-41-4'
## Warning: Expecting logical in W2487 / R2487C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2487 / R2487C24: got '5.0'
## Warning: Expecting logical in Y2487 / R2487C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2488 / R2488C13: got '7440-47-3'
## Warning: Expecting logical in W2488 / R2488C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2488 / R2488C24: got '20'
## Warning: Expecting logical in Y2488 / R2488C25: got 'ug/L'
## Warning: Expecting logical in M2489 / R2489C13: got '7440-28-0'
## Warning: Expecting logical in W2489 / R2489C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2489 / R2489C24: got '1'
## Warning: Expecting logical in Y2489 / R2489C25: got 'ug/L'
## Warning: Expecting logical in M2490 / R2490C13: got '7440-32-6'
## Warning: Expecting logical in W2490 / R2490C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2490 / R2490C24: got '10'
## Warning: Expecting logical in Y2490 / R2490C25: got 'ug/L'
## Warning: Expecting logical in M2491 / R2491C13: got '7440-31-5'
## Warning: Expecting logical in W2491 / R2491C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2491 / R2491C24: got '30'
## Warning: Expecting logical in Y2491 / R2491C25: got 'ug/L'
## Warning: Expecting logical in M2492 / R2492C13: got '135-98-8'
## Warning: Expecting logical in W2492 / R2492C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2492 / R2492C24: got '5.0'
## Warning: Expecting logical in Y2492 / R2492C25: got 'ug/L'
## Warning: Expecting logical in M2493 / R2493C13: got '630-20-6'
## Warning: Expecting logical in W2493 / R2493C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2493 / R2493C24: got '5.0'
## Warning: Expecting logical in Y2493 / R2493C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2494 / R2494C13: got '75-09-2'
## Warning: Expecting logical in W2494 / R2494C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2494 / R2494C24: got '5.0'
## Warning: Expecting logical in Y2494 / R2494C25: got 'ug/L'
## Warning: Expecting logical in M2495 / R2495C13: got '71-43-2'
## Warning: Expecting logical in W2495 / R2495C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2495 / R2495C24: got '5.0'
## Warning: Expecting logical in Y2495 / R2495C25: got 'ug/L'
## Warning: Expecting logical in M2496 / R2496C13: got '108-88-3'
## Warning: Expecting logical in W2496 / R2496C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2496 / R2496C24: got '5.0'
## Warning: Expecting logical in Y2496 / R2496C25: got 'ug/L'
## Warning: Expecting logical in R2497 / R2497C18: got 'as N'
## Warning: Expecting logical in W2497 / R2497C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2497 / R2497C24: got '0.02'
## Warning: Expecting logical in Y2497 / R2497C25: got 'mg/L'
## Warning: Expecting logical in M2498 / R2498C13: got '7440-23-5'
## Warning: Expecting logical in M2499 / R2499C13: got '108-90-7'
## Warning: Expecting logical in W2499 / R2499C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2499 / R2499C24: got '5.0'
## Warning: Expecting logical in Y2499 / R2499C25: got 'ug/L'
## Warning: Expecting logical in M2500 / R2500C13: got '75-01-4'
## Warning: Expecting logical in W2500 / R2500C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2500 / R2500C24: got '5.0'
```

```
## Warning: Expecting logical in Y2500 / R2500C25: got 'ug/L'
## Warning: Expecting logical in M2501 / R2501C13: got '79-00-5'
## Warning: Expecting logical in W2501 / R2501C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2501 / R2501C24: got '5.0'
## Warning: Expecting logical in Y2501 / R2501C25: got 'ug/L'
## Warning: Expecting logical in M2502 / R2502C13: got '7440-66-6'
## Warning: Expecting logical in W2502 / R2502C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2502 / R2502C24: got '10'
## Warning: Expecting logical in Y2502 / R2502C25: got 'ug/L'
## Warning: Expecting logical in M2503 / R2503C13: got '7440-02-0'
## Warning: Expecting logical in W2503 / R2503C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2503 / R2503C24: got '10'
## Warning: Expecting logical in Y2503 / R2503C25: got 'ug/L'
## Warning: Expecting logical in M2504 / R2504C13: got '7440-48-4'
## Warning: Expecting logical in W2504 / R2504C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2504 / R2504C24: got '10'
## Warning: Expecting logical in Y2504 / R2504C25: got 'ug/L'
## Warning: Expecting logical in M2505 / R2505C13: got '7723-14-0'
## Warning: Expecting logical in R2505 / R2505C18: got 'as P'
## Warning: Expecting logical in W2505 / R2505C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2505 / R2505C24: got '0.02'
## Warning: Expecting logical in Y2505 / R2505C25: got 'mg/L'
## Warning: Expecting logical in M2506 / R2506C13: got '7782-49-2'
## Warning: Expecting logical in W2506 / R2506C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2506 / R2506C24: got '190'
## Warning: Expecting logical in Y2506 / R2506C25: got 'ug/L'
## Warning: Expecting logical in M2507 / R2507C13: got '98-06-6'
## Warning: Expecting logical in W2507 / R2507C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2507 / R2507C24: got '5.0'
## Warning: Expecting logical in Y2507 / R2507C25: got 'ug/L'
## Warning: Expecting logical in M2508 / R2508C13: got '79-34-5'
## Warning: Expecting logical in W2508 / R2508C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2508 / R2508C24: got '5.0'
## Warning: Expecting logical in Y2508 / R2508C25: got 'ug/L'
## Warning: Expecting logical in M2509 / R2509C13: got '67-66-3'
## Warning: Expecting logical in W2509 / R2509C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2509 / R2509C24: got '5.0'
## Warning: Expecting logical in Y2509 / R2509C25: got 'ug/L'
## Warning: Expecting logical in M2510 / R2510C13: got '75-35-4'
## Warning: Expecting logical in W2510 / R2510C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2510 / R2510C24: got '5.0'
## Warning: Expecting logical in Y2510 / R2510C25: got 'ug/L'
## Warning: Expecting logical in M2511 / R2511C13: got '56-23-5'
## Warning: Expecting logical in W2511 / R2511C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2511 / R2511C24: got '5.0'
## Warning: Expecting logical in Y2511 / R2511C25: got 'ug/L'
## Warning: Expecting logical in M2512 / R2512C13: got '74-95-3'
## Warning: Expecting logical in W2512 / R2512C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2512 / R2512C24: got '5.0'
## Warning: Expecting logical in Y2512 / R2512C25: got 'ug/L'
## Warning: Expecting logical in M2513 / R2513C13: got '10061-01-5'
## Warning: Expecting logical in W2513 / R2513C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2513 / R2513C24: got '5.0'
## Warning: Expecting logical in Y2513 / R2513C25: got 'ug/L'
## Warning: Expecting logical in M2514 / R2514C13: got '25735-29-9'
## Warning: Expecting logical in W2514 / R2514C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2514 / R2514C24: got '5.0'
## Warning: Expecting logical in Y2514 / R2514C25: got 'ug/L'
## Warning: Expecting logical in M2515 / R2515C13: got '16984-48-8'
## Warning: Expecting logical in M2516 / R2516C13: got '7440-09-7'
## Warning: Expecting logical in M2517 / R2517C13: got '7439-92-1'
## Warning: Expecting logical in W2517 / R2517C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2517 / R2517C24: got '1'
## Warning: Expecting logical in Y2517 / R2517C25: got 'ug/L'
## Warning: Expecting logical in M2518 / R2518C13: got '7440-22-4'
## Warning: Expecting logical in W2518 / R2518C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2518 / R2518C24: got '5'
## Warning: Expecting logical in Y2518 / R2518C25: got 'ug/L'
## Warning: Expecting logical in M2519 / R2519C13: got '7782-49-2'
## Warning: Expecting logical in W2519 / R2519C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2519 / R2519C24: got '5'
## Warning: Expecting logical in Y2519 / R2519C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2520 / R2520C13: got '7440-39-3'
## Warning: Expecting logical in M2521 / R2521C13: got '106-43-4'
## Warning: Expecting logical in W2521 / R2521C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2521 / R2521C24: got '5.0'
## Warning: Expecting logical in Y2521 / R2521C25: got 'ug/L'
## Warning: Expecting logical in M2522 / R2522C13: got '127-18-4'
## Warning: Expecting logical in W2522 / R2522C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2522 / R2522C24: got '5.0'
## Warning: Expecting logical in Y2522 / R2522C25: got 'ug/L'
## Warning: Expecting logical in M2523 / R2523C13: got '7440-50-8'
## Warning: Expecting logical in W2523 / R2523C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2523 / R2523C24: got '5'
## Warning: Expecting logical in Y2523 / R2523C25: got 'ug/L'
## Warning: Expecting logical in M2524 / R2524C13: got '120-82-1'
## Warning: Expecting logical in W2524 / R2524C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2524 / R2524C24: got '5.0'
## Warning: Expecting logical in Y2524 / R2524C25: got 'ug/L'
## Warning: Expecting logical in M2525 / R2525C13: got '124-48-1'
## Warning: Expecting logical in W2525 / R2525C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2525 / R2525C24: got '5.0'
## Warning: Expecting logical in Y2525 / R2525C25: got 'ug/L'
## Warning: Expecting logical in M2526 / R2526C13: got '75-71-8'
## Warning: Expecting logical in W2526 / R2526C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2526 / R2526C24: got '5.0'
```

```
## Warning: Expecting logical in Y2526 / R2526C25: got 'ug/L'
## Warning: Expecting logical in M2527 / R2527C13: got '107-06-2'
## Warning: Expecting logical in W2527 / R2527C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2527 / R2527C24: got '5.0'
## Warning: Expecting logical in Y2527 / R2527C25: got 'ug/L'
## Warning: Expecting logical in M2528 / R2528C13: got '14808-79-8'
## Warning: Expecting logical in M2529 / R2529C13: got '7439-95-4'
## Warning: Expecting logical in M2530 / R2530C13: got '71-55-6'
## Warning: Expecting logical in W2530 / R2530C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2530 / R2530C24: got '5.0'
## Warning: Expecting logical in Y2530 / R2530C25: got 'ug/L'
## Warning: Expecting logical in M2531 / R2531C13: got '563-58-6'
## Warning: Expecting logical in W2531 / R2531C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2531 / R2531C24: got '5.0'
## Warning: Expecting logical in Y2531 / R2531C25: got 'ug/L'
## Warning: Expecting logical in M2532 / R2532C13: got '75-27-4'
## Warning: Expecting logical in W2532 / R2532C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2532 / R2532C24: got '5.0'
## Warning: Expecting logical in Y2532 / R2532C25: got 'ug/L'
## Warning: Expecting logical in M2533 / R2533C13: got '99-87-6'
## Warning: Expecting logical in W2533 / R2533C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2533 / R2533C24: got '5.0'
## Warning: Expecting logical in Y2533 / R2533C25: got 'ug/L'
## Warning: Expecting logical in M2534 / R2534C13: got '1634-04-4'
```

```
## Warning: Expecting logical in W2534 / R2534C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2534 / R2534C24: got '5.0'
## Warning: Expecting logical in Y2534 / R2534C25: got 'ug/L'
## Warning: Expecting logical in M2535 / R2535C13: got '142-28-9'
## Warning: Expecting logical in W2535 / R2535C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2535 / R2535C24: got '5.0'
## Warning: Expecting logical in Y2535 / R2535C25: got 'ug/L'
## Warning: Expecting logical in M2536 / R2536C13: got '98-06-6'
## Warning: Expecting logical in W2536 / R2536C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2536 / R2536C24: got '5.0'
## Warning: Expecting logical in Y2536 / R2536C25: got 'ug/L'
## Warning: Expecting logical in M2537 / R2537C13: got '7429-90-5'
## Warning: Expecting logical in W2537 / R2537C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2537 / R2537C24: got '50'
## Warning: Expecting logical in Y2537 / R2537C25: got 'ug/L'
## Warning: Expecting logical in M2538 / R2538C13: got '7440-38-2'
## Warning: Expecting logical in W2538 / R2538C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2538 / R2538C24: got '5'
## Warning: Expecting logical in Y2538 / R2538C25: got 'ug/L'
## Warning: Expecting logical in M2539 / R2539C13: got '7440-02-0'
## Warning: Expecting logical in W2539 / R2539C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2539 / R2539C24: got '10'
## Warning: Expecting logical in Y2539 / R2539C25: got 'ug/L'
## Warning: Expecting logical in M2540 / R2540C13: got '7440-66-6'
```

```
## Warning: Expecting logical in W2540 / R2540C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2540 / R2540C24: got '10'
## Warning: Expecting logical in Y2540 / R2540C25: got 'ug/L'
## Warning: Expecting logical in M2541 / R2541C13: got '7440-22-4'
## Warning: Expecting logical in W2541 / R2541C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2541 / R2541C24: got '5'
## Warning: Expecting logical in Y2541 / R2541C25: got 'ug/L'
## Warning: Expecting logical in M2542 / R2542C13: got '7440-28-0'
## Warning: Expecting logical in W2542 / R2542C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2542 / R2542C24: got '200'
## Warning: Expecting logical in Y2542 / R2542C25: got 'ug/L'
## Warning: Expecting logical in M2543 / R2543C13: got '95-49-8'
## Warning: Expecting logical in W2543 / R2543C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2543 / R2543C24: got '5.0'
## Warning: Expecting logical in Y2543 / R2543C25: got 'ug/L'
## Warning: Expecting logical in M2544 / R2544C13: got '7439-89-6'
## Warning: Expecting logical in W2544 / R2544C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2544 / R2544C24: got '20'
## Warning: Expecting logical in Y2544 / R2544C25: got 'ug/L'
## Warning: Expecting logical in M2545 / R2545C13: got '7440-22-4'
## Warning: Expecting logical in W2545 / R2545C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2545 / R2545C24: got '10'
## Warning: Expecting logical in Y2545 / R2545C25: got 'ug/L'
## Warning: Expecting logical in M2546 / R2546C13: got '25735-29-9'
```

```
## Warning: Expecting logical in W2546 / R2546C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2546 / R2546C24: got '5.0'
## Warning: Expecting logical in Y2546 / R2546C25: got 'ug/L'
## Warning: Expecting logical in M2547 / R2547C13: got '106-93-4'
## Warning: Expecting logical in W2547 / R2547C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2547 / R2547C24: got '5.0'
## Warning: Expecting logical in Y2547 / R2547C25: got 'ug/L'
## Warning: Expecting logical in M2548 / R2548C13: got '127-18-4'
## Warning: Expecting logical in W2548 / R2548C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2548 / R2548C24: got '5.0'
## Warning: Expecting logical in Y2548 / R2548C25: got 'ug/L'
## Warning: Expecting logical in M2549 / R2549C13: got '79-01-6'
## Warning: Expecting logical in W2549 / R2549C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2549 / R2549C24: got '5.0'
## Warning: Expecting logical in Y2549 / R2549C25: got 'ug/L'
## Warning: Expecting logical in M2550 / R2550C13: got '7440-02-0'
## Warning: Expecting logical in W2550 / R2550C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2550 / R2550C24: got '20'
## Warning: Expecting logical in Y2550 / R2550C25: got 'ug/L'
## Warning: Expecting logical in M2551 / R2551C13: got '7440-70-2'
## Warning: Expecting logical in M2552 / R2552C13: got '7440-09-7'
## Warning: Expecting logical in W2552 / R2552C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2552 / R2552C24: got '5000'
## Warning: Expecting logical in Y2552 / R2552C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2553 / R2553C13: got '7440-61-1'
## Warning: Expecting logical in W2553 / R2553C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2553 / R2553C24: got '1'
## Warning: Expecting logical in Y2553 / R2553C25: got 'ug/L'
## Warning: Expecting logical in M2554 / R2554C13: got '7440-23-5'
## Warning: Expecting logical in M2555 / R2555C13: got '7440-36-0'
## Warning: Expecting logical in W2555 / R2555C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2555 / R2555C24: got '5'
## Warning: Expecting logical in Y2555 / R2555C25: got 'ug/L'
## Warning: Expecting logical in M2556 / R2556C13: got '541-73-1'
## Warning: Expecting logical in W2556 / R2556C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2556 / R2556C24: got '5.0'
## Warning: Expecting logical in Y2556 / R2556C25: got 'ug/L'
## Warning: Expecting logical in M2557 / R2557C13: got '95-63-6'
## Warning: Expecting logical in W2557 / R2557C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2557 / R2557C24: got '5.0'
## Warning: Expecting logical in Y2557 / R2557C25: got 'ug/L'
## Warning: Expecting logical in M2558 / R2558C13: got '124-48-1'
## Warning: Expecting logical in W2558 / R2558C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2558 / R2558C24: got '5.0'
## Warning: Expecting logical in Y2558 / R2558C25: got 'ug/L'
## Warning: Expecting logical in M2559 / R2559C13: got '71-55-6'
## Warning: Expecting logical in W2559 / R2559C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2559 / R2559C24: got '5.0'
```

```
## Warning: Expecting logical in Y2559 / R2559C25: got 'ug/L'
## Warning: Expecting logical in M2560 / R2560C13: got '75-34-3'
## Warning: Expecting logical in W2560 / R2560C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2560 / R2560C24: got '5.0'
## Warning: Expecting logical in Y2560 / R2560C25: got 'ug/L'
## Warning: Expecting logical in M2561 / R2561C13: got '7440-50-8'
## Warning: Expecting logical in W2561 / R2561C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2561 / R2561C24: got '5'
## Warning: Expecting logical in Y2561 / R2561C25: got 'ug/L'
## Warning: Expecting logical in M2562 / R2562C13: got '7440-36-0'
## Warning: Expecting logical in W2562 / R2562C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2562 / R2562C24: got '120'
## Warning: Expecting logical in Y2562 / R2562C25: got 'ug/L'
## Warning: Expecting logical in M2563 / R2563C13: got '95-50-1'
## Warning: Expecting logical in W2563 / R2563C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2563 / R2563C24: got '5.0'
## Warning: Expecting logical in Y2563 / R2563C25: got 'ug/L'
## Warning: Expecting logical in M2564 / R2564C13: got '108-67-8'
## Warning: Expecting logical in W2564 / R2564C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2564 / R2564C24: got '5.0'
## Warning: Expecting logical in Y2564 / R2564C25: got 'ug/L'
## Warning: Expecting logical in M2565 / R2565C13: got '107-06-2'
## Warning: Expecting logical in W2565 / R2565C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2565 / R2565C24: got '5.0'
```

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## Warning: Expecting logical in Y2565 / R2565C25: got 'ug/L'
## Warning: Expecting logical in M2566 / R2566C13: got '7782-49-2'
## Warning: Expecting logical in W2566 / R2566C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2566 / R2566C24: got '190'
## Warning: Expecting logical in Y2566 / R2566C25: got 'ug/L'
## Warning: Expecting logical in M2567 / R2567C13: got '106-46-7'
## Warning: Expecting logical in W2567 / R2567C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2567 / R2567C24: got '5.0'
## Warning: Expecting logical in Y2567 / R2567C25: got 'ug/L'
## Warning: Expecting logical in M2568 / R2568C13: got '98-82-8'
## Warning: Expecting logical in W2568 / R2568C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2568 / R2568C24: got '5.0'
## Warning: Expecting logical in Y2568 / R2568C25: got 'ug/L'
## Warning: Expecting logical in M2569 / R2569C13: got '100-42-5'
## Warning: Expecting logical in W2569 / R2569C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2569 / R2569C24: got '5.0'
## Warning: Expecting logical in Y2569 / R2569C25: got 'ug/L'
## Warning: Expecting logical in M2570 / R2570C13: got '594-20-7'
## Warning: Expecting logical in W2570 / R2570C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2570 / R2570C24: got '5.0'
## Warning: Expecting logical in Y2570 / R2570C25: got 'ug/L'
## Warning: Expecting logical in M2571 / R2571C13: got '75-35-4'
## Warning: Expecting logical in W2571 / R2571C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2571 / R2571C24: got '5.0'
```

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## Warning: Expecting logical in Y2571 / R2571C25: got 'ug/L'
## Warning: Expecting logical in M2572 / R2572C13: got '79-34-5'
## Warning: Expecting logical in W2572 / R2572C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2572 / R2572C24: got '5.0'
## Warning: Expecting logical in Y2572 / R2572C25: got 'ug/L'
## Warning: Expecting logical in M2573 / R2573C13: got '7440-41-7'
## Warning: Expecting logical in W2573 / R2573C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2573 / R2573C24: got '10'
## Warning: Expecting logical in Y2573 / R2573C25: got 'ug/L'
## Warning: Expecting logical in M2574 / R2574C13: got '74-83-9'
## Warning: Expecting logical in W2574 / R2574C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2574 / R2574C24: got '5.0'
## Warning: Expecting logical in Y2574 / R2574C25: got 'ug/L'
## Warning: Expecting logical in M2575 / R2575C13: got '74-87-3'
## Warning: Expecting logical in W2575 / R2575C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2575 / R2575C24: got '5.0'
## Warning: Expecting logical in Y2575 / R2575C25: got 'ug/L'
## Warning: Expecting logical in M2576 / R2576C13: got '75-00-3'
## Warning: Expecting logical in W2576 / R2576C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2576 / R2576C24: got '5.0'
## Warning: Expecting logical in Y2576 / R2576C25: got 'ug/L'
## Warning: Expecting logical in M2577 / R2577C13: got '75-25-2'
## Warning: Expecting logical in W2577 / R2577C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2577 / R2577C24: got '5.0'
```

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## Warning: Expecting logical in Y2577 / R2577C25: got 'ug/L'
## Warning: Expecting logical in M2578 / R2578C13: got '7440-39-3'
## Warning: Expecting logical in W2578 / R2578C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2578 / R2578C24: got '10'
## Warning: Expecting logical in Y2578 / R2578C25: got 'ug/L'
## Warning: Expecting logical in M2579 / R2579C13: got '7429-90-5'
## Warning: Expecting logical in W2579 / R2579C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2579 / R2579C24: got '100'
## Warning: Expecting logical in Y2579 / R2579C25: got 'ug/L'
## Warning: Expecting logical in M2580 / R2580C13: got '75-01-4'
## Warning: Expecting logical in W2580 / R2580C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2580 / R2580C24: got '5.0'
## Warning: Expecting logical in Y2580 / R2580C25: got 'ug/L'
## Warning: Expecting logical in M2581 / R2581C13: got '56-23-5'
## Warning: Expecting logical in W2581 / R2581C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2581 / R2581C24: got '5.0'
## Warning: Expecting logical in Y2581 / R2581C25: got 'ug/L'
## Warning: Expecting logical in M2582 / R2582C13: got '71-43-2'
## Warning: Expecting logical in W2582 / R2582C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2582 / R2582C24: got '5.0'
## Warning: Expecting logical in Y2582 / R2582C25: got 'ug/L'
## Warning: Expecting logical in M2583 / R2583C13: got '106-43-4'
## Warning: Expecting logical in W2583 / R2583C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2583 / R2583C24: got '5.0'
```

```
## Warning: Expecting logical in Y2583 / R2583C25: got 'ug/L'
## Warning: Expecting logical in M2584 / R2584C13: got '7440-66-6'
## Warning: Expecting logical in W2584 / R2584C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2584 / R2584C24: got '20'
## Warning: Expecting logical in Y2584 / R2584C25: got 'ug/L'
## Warning: Expecting logical in M2585 / R2585C13: got '7440-47-3'
## Warning: Expecting logical in W2585 / R2585C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2585 / R2585C24: got '5'
## Warning: Expecting logical in Y2585 / R2585C25: got 'ug/L'
## Warning: Expecting logical in M2586 / R2586C13: got '7439-96-5'
## Warning: Expecting logical in W2586 / R2586C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2586 / R2586C24: got '10'
## Warning: Expecting logical in Y2586 / R2586C25: got 'ug/L'
## Warning: Expecting logical in M2587 / R2587C13: got '14808-79-8'
## Warning: Expecting logical in M2588 / R2588C13: got '7439-92-1'
## Warning: Expecting logical in W2588 / R2588C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2588 / R2588C24: got '90'
## Warning: Expecting logical in Y2588 / R2588C25: got 'ug/L'
## Warning: Expecting logical in M2589 / R2589C13: got '87-68-3'
## Warning: Expecting logical in W2589 / R2589C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2589 / R2589C24: got '5.0'
## Warning: Expecting logical in Y2589 / R2589C25: got 'ug/L'
## Warning: Expecting logical in M2590 / R2590C13: got '120-82-1'
## Warning: Expecting logical in W2590 / R2590C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2590 / R2590C24: got '5.0'
## Warning: Expecting logical in Y2590 / R2590C25: got 'ug/L'
## Warning: Expecting logical in M2591 / R2591C13: got '135-98-8'
## Warning: Expecting logical in W2591 / R2591C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2591 / R2591C24: got '5.0'
## Warning: Expecting logical in Y2591 / R2591C25: got 'ug/L'
## Warning: Expecting logical in M2592 / R2592C13: got '75-27-4'
## Warning: Expecting logical in W2592 / R2592C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2592 / R2592C24: got '5.0'
## Warning: Expecting logical in Y2592 / R2592C25: got 'ug/L'
## Warning: Expecting logical in M2593 / R2593C13: got '74-95-3'
## Warning: Expecting logical in W2593 / R2593C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2593 / R2593C24: got '5.0'
## Warning: Expecting logical in Y2593 / R2593C25: got 'ug/L'
## Warning: Expecting logical in M2594 / R2594C13: got '75-09-2'
## Warning: Expecting logical in W2594 / R2594C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2594 / R2594C24: got '5.0'
## Warning: Expecting logical in Y2594 / R2594C25: got 'ug/L'
## Warning: Expecting logical in M2595 / R2595C13: got '156-60-5'
## Warning: Expecting logical in W2595 / R2595C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2595 / R2595C24: got '5.0'
## Warning: Expecting logical in Y2595 / R2595C25: got 'ug/L'
## Warning: Expecting logical in M2596 / R2596C13: got '7440-62-2'
## Warning: Expecting logical in W2596 / R2596C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2596 / R2596C24: got '10'
## Warning: Expecting logical in Y2596 / R2596C25: got 'ug/L'
## Warning: Expecting logical in M2597 / R2597C13: got '7782-49-2'
## Warning: Expecting logical in W2597 / R2597C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2597 / R2597C24: got '5'
## Warning: Expecting logical in Y2597 / R2597C25: got 'ug/L'
## Warning: Expecting logical in M2598 / R2598C13: got '7440-48-4'
## Warning: Expecting logical in W2598 / R2598C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2598 / R2598C24: got '10'
## Warning: Expecting logical in Y2598 / R2598C25: got 'ug/L'
## Warning: Expecting logical in M2599 / R2599C13: got '7440-38-2'
## Warning: Expecting logical in W2599 / R2599C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2599 / R2599C24: got '80'
## Warning: Expecting logical in Y2599 / R2599C25: got 'ug/L'
## Warning: Expecting logical in M2600 / R2600C13: got '96-12-8'
## Warning: Expecting logical in W2600 / R2600C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2600 / R2600C24: got '5.0'
## Warning: Expecting logical in Y2600 / R2600C25: got 'ug/L'
## Warning: Expecting logical in M2601 / R2601C13: got '1330-20-7'
## Warning: Expecting logical in W2601 / R2601C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2601 / R2601C24: got '5.0'
## Warning: Expecting logical in Y2601 / R2601C25: got 'ug/L'
## Warning: Expecting logical in M2602 / R2602C13: got '100-41-4'
## Warning: Expecting logical in W2602 / R2602C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2602 / R2602C24: got '5.0'
## Warning: Expecting logical in Y2602 / R2602C25: got 'ug/L'
## Warning: Expecting logical in M2603 / R2603C13: got '79-00-5'
## Warning: Expecting logical in W2603 / R2603C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2603 / R2603C24: got '5.0'
## Warning: Expecting logical in Y2603 / R2603C25: got 'ug/L'
## Warning: Expecting logical in M2604 / R2604C13: got '75-71-8'
## Warning: Expecting logical in W2604 / R2604C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2604 / R2604C24: got '5.0'
## Warning: Expecting logical in Y2604 / R2604C25: got 'ug/L'
## Warning: Expecting logical in M2605 / R2605C13: got '563-58-6'
## Warning: Expecting logical in W2605 / R2605C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2605 / R2605C24: got '5.0'
## Warning: Expecting logical in Y2605 / R2605C25: got 'ug/L'
## Warning: Expecting logical in M2606 / R2606C13: got '78-87-5'
## Warning: Expecting logical in W2606 / R2606C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2606 / R2606C24: got '5.0'
## Warning: Expecting logical in Y2606 / R2606C25: got 'ug/L'
## Warning: Expecting logical in M2607 / R2607C13: got '108-86-1'
## Warning: Expecting logical in W2607 / R2607C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2607 / R2607C24: got '5.0'
## Warning: Expecting logical in Y2607 / R2607C25: got 'ug/L'
## Warning: Expecting logical in M2608 / R2608C13: got '75-69-4'
## Warning: Expecting logical in W2608 / R2608C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2608 / R2608C24: got '5.0'
## Warning: Expecting logical in Y2608 / R2608C25: got 'ug/L'
## Warning: Expecting logical in M2609 / R2609C13: got '10061-01-5'
## Warning: Expecting logical in W2609 / R2609C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2609 / R2609C24: got '5.0'
## Warning: Expecting logical in Y2609 / R2609C25: got 'ug/L'
## Warning: Expecting logical in M2610 / R2610C13: got '99-87-6'
## Warning: Expecting logical in W2610 / R2610C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2610 / R2610C24: got '5.0'
## Warning: Expecting logical in Y2610 / R2610C25: got 'ug/L'
## Warning: Expecting logical in M2611 / R2611C13: got '16984-48-8'
## Warning: Expecting logical in M2612 / R2612C13: got '7440-39-3'
## Warning: Expecting logical in M2613 / R2613C13: got '7440-31-5'
## Warning: Expecting logical in W2613 / R2613C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2613 / R2613C24: got '30'
## Warning: Expecting logical in Y2613 / R2613C25: got 'ug/L'
## Warning: Expecting logical in M2614 / R2614C13: got '74-97-5'
## Warning: Expecting logical in W2614 / R2614C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2614 / R2614C24: got '5.0'
## Warning: Expecting logical in Y2614 / R2614C25: got 'ug/L'
## Warning: Expecting logical in M2615 / R2615C13: got '67-66-3'
## Warning: Expecting logical in W2615 / R2615C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2615 / R2615C24: got '5.0'
## Warning: Expecting logical in Y2615 / R2615C25: got 'ug/L'
```

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## Warning: Expecting logical in M2616 / R2616C13: got '7440-47-3'
## Warning: Expecting logical in W2616 / R2616C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2616 / R2616C24: got '20'
## Warning: Expecting logical in Y2616 / R2616C25: got 'ug/L'
## Warning: Expecting logical in M2617 / R2617C13: got '7440-50-8'
## Warning: Expecting logical in W2617 / R2617C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2617 / R2617C24: got '20'
## Warning: Expecting logical in Y2617 / R2617C25: got 'ug/L'
## Warning: Expecting logical in M2618 / R2618C13: got '7439-95-4'
## Warning: Expecting logical in M2619 / R2619C13: got '7440-32-6'
## Warning: Expecting logical in W2619 / R2619C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2619 / R2619C24: got '10'
## Warning: Expecting logical in Y2619 / R2619C25: got 'ug/L'
## Warning: Expecting logical in M2620 / R2620C13: got '7440-28-0'
## Warning: Expecting logical in W2620 / R2620C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2620 / R2620C24: got '1'
## Warning: Expecting logical in Y2620 / R2620C25: got 'ug/L'
## Warning: Expecting logical in M2621 / R2621C13: got '7440-43-9'
## Warning: Expecting logical in W2621 / R2621C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2621 / R2621C24: got '0.7'
## Warning: Expecting logical in Y2621 / R2621C25: got 'ug/L'
## Warning: Expecting logical in M2622 / R2622C13: got '16887-00-6'
## Warning: Expecting logical in M2623 / R2623C13: got '7723-14-0'
## Warning: Expecting logical in R2623 / R2623C18: got 'as P'
```

```
## Warning: Expecting logical in W2623 / R2623C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2623 / R2623C24: got '0.02'
## Warning: Expecting logical in Y2623 / R2623C25: got 'mg/L'
## Warning: Expecting logical in M2624 / R2624C13: got '7440-43-9'
## Warning: Expecting logical in W2624 / R2624C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2624 / R2624C24: got '10'
## Warning: Expecting logical in Y2624 / R2624C25: got 'ug/L'
## Warning: Expecting logical in M2625 / R2625C13: got '87-61-6'
## Warning: Expecting logical in W2625 / R2625C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2625 / R2625C24: got '5.0'
## Warning: Expecting logical in Y2625 / R2625C25: got 'ug/L'
## Warning: Expecting logical in M2626 / R2626C13: got '630-20-6'
## Warning: Expecting logical in W2626 / R2626C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2626 / R2626C24: got '5.0'
## Warning: Expecting logical in Y2626 / R2626C25: got 'ug/L'
## Warning: Expecting logical in M2627 / R2627C13: got '10061-02-6'
## Warning: Expecting logical in W2627 / R2627C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2627 / R2627C24: got '5.0'
## Warning: Expecting logical in Y2627 / R2627C25: got 'ug/L'
## Warning: Expecting logical in M2628 / R2628C13: got '156-59-2'
## Warning: Expecting logical in W2628 / R2628C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2628 / R2628C24: got '5.0'
## Warning: Expecting logical in Y2628 / R2628C25: got 'ug/L'
## Warning: Expecting logical in M2629 / R2629C13: got '108-88-3'
```

```
## Warning: Expecting logical in W2629 / R2629C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2629 / R2629C24: got '5.0'
## Warning: Expecting logical in Y2629 / R2629C25: got 'ug/L'
## Warning: Expecting logical in M2630 / R2630C13: got '108-90-7'
## Warning: Expecting logical in W2630 / R2630C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2630 / R2630C24: got '5.0'
## Warning: Expecting logical in Y2630 / R2630C25: got 'ug/L'
## Warning: Expecting logical in M2631 / R2631C13: got '103-65-1'
## Warning: Expecting logical in W2631 / R2631C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2631 / R2631C24: got '5.0'
## Warning: Expecting logical in Y2631 / R2631C25: got 'ug/L'
## Warning: Expecting logical in M2632 / R2632C13: got '104-51-8'
## Warning: Expecting logical in W2632 / R2632C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2632 / R2632C24: got '5.0'
## Warning: Expecting logical in Y2632 / R2632C25: got 'ug/L'
## Warning: Expecting logical in M2633 / R2633C13: got '91-20-3'
## Warning: Expecting logical in W2633 / R2633C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2633 / R2633C24: got '5.0'
## Warning: Expecting logical in Y2633 / R2633C25: got 'ug/L'
## Warning: Expecting logical in M2634 / R2634C13: got '1634-04-4'
## Warning: Expecting logical in W2634 / R2634C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2634 / R2634C24: got '5.0'
## Warning: Expecting logical in Y2634 / R2634C25: got 'ug/L'
## Warning: Expecting logical in R2635 / R2635C18: got 'as N'
```

```
## Warning: Expecting logical in W2635 / R2635C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2635 / R2635C24: got '0.02'
## Warning: Expecting logical in Y2635 / R2635C25: got 'mg/L'
## Warning: Expecting logical in M2636 / R2636C13: got '7439-92-1'
## Warning: Expecting logical in W2636 / R2636C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2636 / R2636C24: got '1'
## Warning: Expecting logical in Y2636 / R2636C25: got 'ug/L'
## Warning: Expecting logical in M2637 / R2637C13: got '7439-98-7'
## Warning: Expecting logical in W2637 / R2637C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2637 / R2637C24: got '5'
## Warning: Expecting logical in Y2637 / R2637C25: got 'ug/L'
## Warning: Expecting logical in M2638 / R2638C13: got '7439-95-4'
## Warning: Expecting logical in M2639 / R2639C13: got '7440-43-9'
## Warning: Expecting logical in W2639 / R2639C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2639 / R2639C24: got '0.7'
## Warning: Expecting logical in Y2639 / R2639C25: got 'ug/L'
## Warning: Expecting logical in M2640 / R2640C13: got '87-61-6'
## Warning: Expecting logical in W2640 / R2640C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2640 / R2640C24: got '5.0'
## Warning: Expecting logical in Y2640 / R2640C25: got 'ug/L'
## Warning: Expecting logical in M2641 / R2641C13: got '75-69-4'
## Warning: Expecting logical in W2641 / R2641C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2641 / R2641C24: got '5.0'
## Warning: Expecting logical in Y2641 / R2641C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2642 / R2642C13: got '75-27-4'
## Warning: Expecting logical in W2642 / R2642C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2642 / R2642C24: got '5.0'
## Warning: Expecting logical in Y2642 / R2642C25: got 'ug/L'
## Warning: Expecting logical in M2643 / R2643C13: got '100-42-5'
## Warning: Expecting logical in W2643 / R2643C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2643 / R2643C24: got '5.0'
## Warning: Expecting logical in Y2643 / R2643C25: got 'ug/L'
## Warning: Expecting logical in M2644 / R2644C13: got '10061-01-5'
## Warning: Expecting logical in W2644 / R2644C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2644 / R2644C24: got '5.0'
## Warning: Expecting logical in Y2644 / R2644C25: got 'ug/L'
## Warning: Expecting logical in M2645 / R2645C13: got '630-20-6'
## Warning: Expecting logical in W2645 / R2645C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2645 / R2645C24: got '5.0'
## Warning: Expecting logical in Y2645 / R2645C25: got 'ug/L'
## Warning: Expecting logical in M2646 / R2646C13: got '95-49-8'
## Warning: Expecting logical in W2646 / R2646C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2646 / R2646C24: got '5.0'
## Warning: Expecting logical in Y2646 / R2646C25: got 'ug/L'
## Warning: Expecting logical in M2647 / R2647C13: got '541-73-1'
## Warning: Expecting logical in W2647 / R2647C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2647 / R2647C24: got '5.0'
## Warning: Expecting logical in Y2647 / R2647C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2648 / R2648C13: got '98-82-8'
## Warning: Expecting logical in W2648 / R2648C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2648 / R2648C24: got '5.0'
## Warning: Expecting logical in Y2648 / R2648C25: got 'ug/L'
## Warning: Expecting logical in M2649 / R2649C13: got '95-50-1'
## Warning: Expecting logical in W2649 / R2649C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2649 / R2649C24: got '5.0'
## Warning: Expecting logical in Y2649 / R2649C25: got 'ug/L'
## Warning: Expecting logical in M2650 / R2650C13: got '7440-43-9'
## Warning: Expecting logical in W2650 / R2650C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2650 / R2650C24: got '10'
## Warning: Expecting logical in Y2650 / R2650C25: got 'ug/L'
## Warning: Expecting logical in M2651 / R2651C13: got '7440-66-6'
## Warning: Expecting logical in W2651 / R2651C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2651 / R2651C24: got '20'
## Warning: Expecting logical in Y2651 / R2651C25: got 'ug/L'
## Warning: Expecting logical in M2652 / R2652C13: got '7439-89-6'
## Warning: Expecting logical in M2653 / R2653C13: got '75-09-2'
## Warning: Expecting logical in W2653 / R2653C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2653 / R2653C24: got '5.0'
## Warning: Expecting logical in Y2653 / R2653C25: got 'ug/L'
## Warning: Expecting logical in M2654 / R2654C13: got '1330-20-7'
## Warning: Expecting logical in W2654 / R2654C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2654 / R2654C24: got '5.0'
```

```
## Warning: Expecting logical in Y2654 / R2654C25: got 'ug/L'
## Warning: Expecting logical in M2655 / R2655C13: got '104-51-8'
## Warning: Expecting logical in W2655 / R2655C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2655 / R2655C24: got '5.0'
## Warning: Expecting logical in Y2655 / R2655C25: got 'ug/L'
## Warning: Expecting logical in M2656 / R2656C13: got '7440-02-0'
## Warning: Expecting logical in W2656 / R2656C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2656 / R2656C24: got '20'
## Warning: Expecting logical in Y2656 / R2656C25: got 'ug/L'
## Warning: Expecting logical in M2657 / R2657C13: got '16887-00-6'
## Warning: Expecting logical in M2658 / R2658C13: got '7440-50-8'
## Warning: Expecting logical in W2658 / R2658C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2658 / R2658C24: got '5'
## Warning: Expecting logical in Y2658 / R2658C25: got 'ug/L'
## Warning: Expecting logical in M2659 / R2659C13: got '7723-14-0'
## Warning: Expecting logical in R2659 / R2659C18: got 'as P'
## Warning: Expecting logical in M2660 / R2660C13: got '108-86-1'
## Warning: Expecting logical in W2660 / R2660C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2660 / R2660C24: got '5.0'
## Warning: Expecting logical in Y2660 / R2660C25: got 'ug/L'
## Warning: Expecting logical in M2661 / R2661C13: got '74-97-5'
## Warning: Expecting logical in W2661 / R2661C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2661 / R2661C24: got '5.0'
## Warning: Expecting logical in Y2661 / R2661C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2662 / R2662C13: got '78-87-5'
## Warning: Expecting logical in W2662 / R2662C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2662 / R2662C24: got '5.0'
## Warning: Expecting logical in Y2662 / R2662C25: got 'ug/L'
## Warning: Expecting logical in M2663 / R2663C13: got '106-93-4'
## Warning: Expecting logical in W2663 / R2663C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2663 / R2663C24: got '5.0'
## Warning: Expecting logical in Y2663 / R2663C25: got 'ug/L'
## Warning: Expecting logical in M2664 / R2664C13: got '98-06-6'
## Warning: Expecting logical in W2664 / R2664C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2664 / R2664C24: got '5.0'
## Warning: Expecting logical in Y2664 / R2664C25: got 'ug/L'
## Warning: Expecting logical in M2665 / R2665C13: got '7440-47-3'
## Warning: Expecting logical in W2665 / R2665C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2665 / R2665C24: got '20'
## Warning: Expecting logical in Y2665 / R2665C25: got 'ug/L'
## Warning: Expecting logical in M2666 / R2666C13: got '7439-92-1'
## Warning: Expecting logical in W2666 / R2666C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2666 / R2666C24: got '90'
## Warning: Expecting logical in Y2666 / R2666C25: got 'ug/L'
## Warning: Expecting logical in M2667 / R2667C13: got '7440-22-4'
## Warning: Expecting logical in W2667 / R2667C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2667 / R2667C24: got '10'
## Warning: Expecting logical in Y2667 / R2667C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2668 / R2668C13: got '7440-39-3'
## Warning: Expecting logical in M2669 / R2669C13: got '7440-28-0'
## Warning: Expecting logical in W2669 / R2669C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2669 / R2669C24: got '1'
## Warning: Expecting logical in Y2669 / R2669C25: got 'ug/L'
## Warning: Expecting logical in M2670 / R2670C13: got '108-88-3'
## Warning: Expecting logical in W2670 / R2670C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2670 / R2670C24: got '5.0'
## Warning: Expecting logical in Y2670 / R2670C25: got 'ug/L'
## Warning: Expecting logical in M2671 / R2671C13: got '100-41-4'
## Warning: Expecting logical in W2671 / R2671C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2671 / R2671C24: got '5.0'
## Warning: Expecting logical in Y2671 / R2671C25: got 'ug/L'
## Warning: Expecting logical in M2672 / R2672C13: got '7440-36-0'
## Warning: Expecting logical in W2672 / R2672C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2672 / R2672C24: got '120'
## Warning: Expecting logical in Y2672 / R2672C25: got 'ug/L'
## Warning: Expecting logical in M2673 / R2673C13: got '7440-38-2'
## Warning: Expecting logical in W2673 / R2673C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2673 / R2673C24: got '80'
## Warning: Expecting logical in Y2673 / R2673C25: got 'ug/L'
## Warning: Expecting logical in M2674 / R2674C13: got '7440-61-1'
## Warning: Expecting logical in W2674 / R2674C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2674 / R2674C24: got '1'
```

```
## Warning: Expecting logical in Y2674 / R2674C25: got 'ug/L'
## Warning: Expecting logical in M2675 / R2675C13: got '7440-28-0'
## Warning: Expecting logical in W2675 / R2675C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2675 / R2675C24: got '200'
## Warning: Expecting logical in Y2675 / R2675C25: got 'ug/L'
## Warning: Expecting logical in M2676 / R2676C13: got '594-20-7'
## Warning: Expecting logical in W2676 / R2676C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2676 / R2676C24: got '5.0'
## Warning: Expecting logical in Y2676 / R2676C25: got 'ug/L'
## Warning: Expecting logical in M2677 / R2677C13: got '127-18-4'
## Warning: Expecting logical in W2677 / R2677C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2677 / R2677C24: got '5.0'
## Warning: Expecting logical in Y2677 / R2677C25: got 'ug/L'
## Warning: Expecting logical in M2678 / R2678C13: got '106-43-4'
## Warning: Expecting logical in W2678 / R2678C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2678 / R2678C24: got '5.0'
## Warning: Expecting logical in Y2678 / R2678C25: got 'ug/L'
## Warning: Expecting logical in M2679 / R2679C13: got '7429-90-5'
## Warning: Expecting logical in W2679 / R2679C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2679 / R2679C24: got '50'
## Warning: Expecting logical in Y2679 / R2679C25: got 'ug/L'
## Warning: Expecting logical in M2680 / R2680C13: got '7440-32-6'
## Warning: Expecting logical in W2680 / R2680C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2680 / R2680C24: got '10'
```

```
## Warning: Expecting logical in Y2680 / R2680C25: got 'ug/L'
## Warning: Expecting logical in M2681 / R2681C13: got '7782-49-2'
## Warning: Expecting logical in W2681 / R2681C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2681 / R2681C24: got '5'
## Warning: Expecting logical in Y2681 / R2681C25: got 'ug/L'
## Warning: Expecting logical in M2682 / R2682C13: got '7440-38-2'
## Warning: Expecting logical in W2682 / R2682C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2682 / R2682C24: got '5'
## Warning: Expecting logical in Y2682 / R2682C25: got 'ug/L'
## Warning: Expecting logical in M2683 / R2683C13: got '14808-79-8'
## Warning: Expecting logical in M2684 / R2684C13: got '135-98-8'
## Warning: Expecting logical in W2684 / R2684C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2684 / R2684C24: got '5.0'
## Warning: Expecting logical in Y2684 / R2684C25: got 'ug/L'
## Warning: Expecting logical in M2685 / R2685C13: got '25735-29-9'
## Warning: Expecting logical in W2685 / R2685C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2685 / R2685C24: got '5.0'
## Warning: Expecting logical in Y2685 / R2685C25: got 'ug/L'
## Warning: Expecting logical in M2686 / R2686C13: got '563-58-6'
## Warning: Expecting logical in W2686 / R2686C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2686 / R2686C24: got '5.0'
## Warning: Expecting logical in Y2686 / R2686C25: got 'ug/L'
## Warning: Expecting logical in M2687 / R2687C13: got '75-71-8'
## Warning: Expecting logical in W2687 / R2687C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2687 / R2687C24: got '5.0'
## Warning: Expecting logical in Y2687 / R2687C25: got 'ug/L'
## Warning: Expecting logical in M2688 / R2688C13: got '75-34-3'
## Warning: Expecting logical in W2688 / R2688C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2688 / R2688C24: got '5.0'
## Warning: Expecting logical in Y2688 / R2688C25: got 'ug/L'
## Warning: Expecting logical in M2689 / R2689C13: got '79-01-6'
## Warning: Expecting logical in W2689 / R2689C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2689 / R2689C24: got '5.0'
## Warning: Expecting logical in Y2689 / R2689C25: got 'ug/L'
## Warning: Expecting logical in M2690 / R2690C13: got '79-00-5'
## Warning: Expecting logical in W2690 / R2690C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2690 / R2690C24: got '5.0'
## Warning: Expecting logical in Y2690 / R2690C25: got 'ug/L'
## Warning: Expecting logical in M2691 / R2691C13: got '1634-04-4'
## Warning: Expecting logical in W2691 / R2691C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2691 / R2691C24: got '5.0'
## Warning: Expecting logical in Y2691 / R2691C25: got 'ug/L'
## Warning: Expecting logical in M2692 / R2692C13: got '16984-48-8'
## Warning: Expecting logical in M2693 / R2693C13: got '7439-96-5'
## Warning: Expecting logical in W2693 / R2693C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2693 / R2693C24: got '10'
## Warning: Expecting logical in Y2693 / R2693C25: got 'ug/L'
## Warning: Expecting logical in M2694 / R2694C13: got '7440-39-3'
```

```
## Warning: Expecting logical in M2695 / R2695C13: got '156-60-5'
## Warning: Expecting logical in W2695 / R2695C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2695 / R2695C24: got '5.0'
## Warning: Expecting logical in Y2695 / R2695C25: got 'ug/L'
## Warning: Expecting logical in M2696 / R2696C13: got '103-65-1'
## Warning: Expecting logical in W2696 / R2696C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2696 / R2696C24: got '5.0'
## Warning: Expecting logical in Y2696 / R2696C25: got 'ug/L'
## Warning: Expecting logical in M2697 / R2697C13: got '75-25-2'
## Warning: Expecting logical in W2697 / R2697C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2697 / R2697C24: got '5.0'
## Warning: Expecting logical in Y2697 / R2697C25: got 'ug/L'
## Warning: Expecting logical in M2698 / R2698C13: got '74-95-3'
## Warning: Expecting logical in W2698 / R2698C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2698 / R2698C24: got '5.0'
## Warning: Expecting logical in Y2698 / R2698C25: got 'ug/L'
## Warning: Expecting logical in M2699 / R2699C13: got '71-55-6'
## Warning: Expecting logical in W2699 / R2699C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2699 / R2699C24: got '5.0'
## Warning: Expecting logical in Y2699 / R2699C25: got 'ug/L'
## Warning: Expecting logical in M2700 / R2700C13: got '156-59-2'
## Warning: Expecting logical in W2700 / R2700C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2700 / R2700C24: got '5.0'
## Warning: Expecting logical in Y2700 / R2700C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2701 / R2701C13: got '75-01-4'
## Warning: Expecting logical in W2701 / R2701C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2701 / R2701C24: got '5.0'
## Warning: Expecting logical in Y2701 / R2701C25: got 'ug/L'
## Warning: Expecting logical in M2702 / R2702C13: got '7439-98-7'
## Warning: Expecting logical in W2702 / R2702C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2702 / R2702C24: got '5'
## Warning: Expecting logical in Y2702 / R2702C25: got 'ug/L'
## Warning: Expecting logical in M2703 / R2703C13: got '7440-48-4'
## Warning: Expecting logical in W2703 / R2703C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2703 / R2703C24: got '10'
## Warning: Expecting logical in Y2703 / R2703C25: got 'ug/L'
## Warning: Expecting logical in M2704 / R2704C13: got '7440-47-3'
## Warning: Expecting logical in W2704 / R2704C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2704 / R2704C24: got '5'
## Warning: Expecting logical in Y2704 / R2704C25: got 'ug/L'
## Warning: Expecting logical in M2705 / R2705C13: got '106-46-7'
## Warning: Expecting logical in W2705 / R2705C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2705 / R2705C24: got '5.0'
## Warning: Expecting logical in Y2705 / R2705C25: got 'ug/L'
## Warning: Expecting logical in M2706 / R2706C13: got '74-87-3'
## Warning: Expecting logical in W2706 / R2706C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2706 / R2706C24: got '5.0'
## Warning: Expecting logical in Y2706 / R2706C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2707 / R2707C13: got '74-83-9'
## Warning: Expecting logical in W2707 / R2707C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2707 / R2707C24: got '5.0'
## Warning: Expecting logical in Y2707 / R2707C25: got 'ug/L'
## Warning: Expecting logical in M2708 / R2708C13: got '142-28-9'
## Warning: Expecting logical in W2708 / R2708C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2708 / R2708C24: got '5.0'
## Warning: Expecting logical in Y2708 / R2708C25: got 'ug/L'
## Warning: Expecting logical in M2709 / R2709C13: got '79-34-5'
## Warning: Expecting logical in W2709 / R2709C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2709 / R2709C24: got '5.0'
## Warning: Expecting logical in Y2709 / R2709C25: got 'ug/L'
## Warning: Expecting logical in M2710 / R2710C13: got '95-63-6'
## Warning: Expecting logical in W2710 / R2710C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2710 / R2710C24: got '5.0'
## Warning: Expecting logical in Y2710 / R2710C25: got 'ug/L'
## Warning: Expecting logical in M2711 / R2711C13: got '87-68-3'
## Warning: Expecting logical in W2711 / R2711C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2711 / R2711C24: got '5.0'
## Warning: Expecting logical in Y2711 / R2711C25: got 'ug/L'
## Warning: Expecting logical in R2712 / R2712C18: got 'as N'
## Warning: Expecting logical in W2712 / R2712C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2712 / R2712C24: got '0.02'
## Warning: Expecting logical in Y2712 / R2712C25: got 'mg/L'
```

```
## Warning: Expecting logical in M2713 / R2713C13: got '7440-23-5'
## Warning: Expecting logical in M2714 / R2714C13: got '7440-09-7'
## Warning: Expecting logical in W2714 / R2714C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2714 / R2714C24: got '5000'
## Warning: Expecting logical in Y2714 / R2714C25: got 'ug/L'
## Warning: Expecting logical in M2715 / R2715C13: got '7429-90-5'
## Warning: Expecting logical in W2715 / R2715C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2715 / R2715C24: got '100'
## Warning: Expecting logical in Y2715 / R2715C25: got 'ug/L'
## Warning: Expecting logical in M2716 / R2716C13: got '7440-31-5'
## Warning: Expecting logical in W2716 / R2716C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2716 / R2716C24: got '30'
## Warning: Expecting logical in Y2716 / R2716C25: got 'ug/L'
## Warning: Expecting logical in M2717 / R2717C13: got '7440-22-4'
## Warning: Expecting logical in W2717 / R2717C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2717 / R2717C24: got '5'
## Warning: Expecting logical in Y2717 / R2717C25: got 'ug/L'
## Warning: Expecting logical in M2718 / R2718C13: got '7440-62-2'
## Warning: Expecting logical in W2718 / R2718C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2718 / R2718C24: got '10'
## Warning: Expecting logical in Y2718 / R2718C25: got 'ug/L'
## Warning: Expecting logical in M2719 / R2719C13: got '7440-66-6'
## Warning: Expecting logical in W2719 / R2719C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2719 / R2719C24: got '10'
```

```
## Warning: Expecting logical in Y2719 / R2719C25: got 'ug/L'
## Warning: Expecting logical in M2720 / R2720C13: got '56-23-5'
## Warning: Expecting logical in W2720 / R2720C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2720 / R2720C24: got '5.0'
## Warning: Expecting logical in Y2720 / R2720C25: got 'ug/L'
## Warning: Expecting logical in M2721 / R2721C13: got '71-43-2'
## Warning: Expecting logical in W2721 / R2721C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2721 / R2721C24: got '5.0'
## Warning: Expecting logical in Y2721 / R2721C25: got 'ug/L'
## Warning: Expecting logical in M2722 / R2722C13: got '107-06-2'
## Warning: Expecting logical in W2722 / R2722C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2722 / R2722C24: got '5.0'
## Warning: Expecting logical in Y2722 / R2722C25: got 'ug/L'
## Warning: Expecting logical in M2723 / R2723C13: got '10061-02-6'
## Warning: Expecting logical in W2723 / R2723C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2723 / R2723C24: got '5.0'
## Warning: Expecting logical in Y2723 / R2723C25: got 'ug/L'
## Warning: Expecting logical in M2724 / R2724C13: got '75-35-4'
## Warning: Expecting logical in W2724 / R2724C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2724 / R2724C24: got '5.0'
## Warning: Expecting logical in Y2724 / R2724C25: got 'ug/L'
## Warning: Expecting logical in M2725 / R2725C13: got '108-67-8'
## Warning: Expecting logical in W2725 / R2725C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2725 / R2725C24: got '5.0'
```

```
## Warning: Expecting logical in Y2725 / R2725C25: got 'ug/L'
## Warning: Expecting logical in M2726 / R2726C13: got '96-12-8'
## Warning: Expecting logical in W2726 / R2726C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2726 / R2726C24: got '5.0'
## Warning: Expecting logical in Y2726 / R2726C25: got 'ug/L'
## Warning: Expecting logical in M2727 / R2727C13: got '91-20-3'
## Warning: Expecting logical in W2727 / R2727C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2727 / R2727C24: got '5.0'
## Warning: Expecting logical in Y2727 / R2727C25: got 'ug/L'
## Warning: Expecting logical in M2728 / R2728C13: got '7440-36-0'
## Warning: Expecting logical in W2728 / R2728C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2728 / R2728C24: got '5'
## Warning: Expecting logical in Y2728 / R2728C25: got 'ug/L'
## Warning: Expecting logical in M2729 / R2729C13: got '7440-70-2'
## Warning: Expecting logical in M2730 / R2730C13: got '7439-92-1'
## Warning: Expecting logical in W2730 / R2730C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2730 / R2730C24: got '1'
## Warning: Expecting logical in Y2730 / R2730C25: got 'ug/L'
## Warning: Expecting logical in M2731 / R2731C13: got '7440-41-7'
## Warning: Expecting logical in W2731 / R2731C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2731 / R2731C24: got '10'
## Warning: Expecting logical in Y2731 / R2731C25: got 'ug/L'
## Warning: Expecting logical in M2732 / R2732C13: got '7440-50-8'
## Warning: Expecting logical in W2732 / R2732C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2732 / R2732C24: got '20'
## Warning: Expecting logical in Y2732 / R2732C25: got 'ug/L'
## Warning: Expecting logical in M2733 / R2733C13: got '120-82-1'
## Warning: Expecting logical in W2733 / R2733C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2733 / R2733C24: got '5.0'
## Warning: Expecting logical in Y2733 / R2733C25: got 'ug/L'
## Warning: Expecting logical in M2734 / R2734C13: got '124-48-1'
## Warning: Expecting logical in W2734 / R2734C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2734 / R2734C24: got '5.0'
## Warning: Expecting logical in Y2734 / R2734C25: got 'ug/L'
## Warning: Expecting logical in M2735 / R2735C13: got '99-87-6'
## Warning: Expecting logical in W2735 / R2735C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2735 / R2735C24: got '5.0'
## Warning: Expecting logical in Y2735 / R2735C25: got 'ug/L'
## Warning: Expecting logical in M2736 / R2736C13: got '67-66-3'
## Warning: Expecting logical in W2736 / R2736C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2736 / R2736C24: got '5.0'
## Warning: Expecting logical in Y2736 / R2736C25: got 'ug/L'
## Warning: Expecting logical in M2737 / R2737C13: got '75-00-3'
## Warning: Expecting logical in W2737 / R2737C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2737 / R2737C24: got '5.0'
## Warning: Expecting logical in Y2737 / R2737C25: got 'ug/L'
## Warning: Expecting logical in M2738 / R2738C13: got '108-90-7'
## Warning: Expecting logical in W2738 / R2738C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2738 / R2738C24: got '5.0'
## Warning: Expecting logical in Y2738 / R2738C25: got 'ug/L'
## Warning: Expecting logical in M2739 / R2739C13: got '7440-02-0'
## Warning: Expecting logical in W2739 / R2739C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2739 / R2739C24: got '10'
## Warning: Expecting logical in Y2739 / R2739C25: got 'ug/L'
## Warning: Expecting logical in M2740 / R2740C13: got '7782-49-2'
## Warning: Expecting logical in W2740 / R2740C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2740 / R2740C24: got '190'
## Warning: Expecting logical in Y2740 / R2740C25: got 'ug/L'
## Warning: Expecting logical in M2741 / R2741C13: got '75-35-4'
## Warning: Expecting logical in W2741 / R2741C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2741 / R2741C24: got '5.0'
## Warning: Expecting logical in Y2741 / R2741C25: got 'ug/L'
## Warning: Expecting logical in M2742 / R2742C13: got '56-23-5'
## Warning: Expecting logical in W2742 / R2742C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2742 / R2742C24: got '5.0'
## Warning: Expecting logical in Y2742 / R2742C25: got 'ug/L'
## Warning: Expecting logical in M2743 / R2743C13: got '79-34-5'
## Warning: Expecting logical in W2743 / R2743C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2743 / R2743C24: got '5.0'
## Warning: Expecting logical in Y2743 / R2743C25: got 'ug/L'
## Warning: Expecting logical in M2744 / R2744C13: got '7439-96-5'
## Warning: Expecting logical in W2744 / R2744C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2744 / R2744C24: got '10'
## Warning: Expecting logical in Y2744 / R2744C25: got 'ug/L'
## Warning: Expecting logical in M2745 / R2745C13: got '16984-48-8'
## Warning: Expecting logical in M2746 / R2746C13: got '7440-28-0'
## Warning: Expecting logical in W2746 / R2746C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2746 / R2746C24: got '200'
## Warning: Expecting logical in Y2746 / R2746C25: got 'ug/L'
## Warning: Expecting logical in M2747 / R2747C13: got '96-12-8'
## Warning: Expecting logical in W2747 / R2747C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2747 / R2747C24: got '5.0'
## Warning: Expecting logical in Y2747 / R2747C25: got 'ug/L'
## Warning: Expecting logical in M2748 / R2748C13: got '108-67-8'
## Warning: Expecting logical in W2748 / R2748C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2748 / R2748C24: got '5.0'
## Warning: Expecting logical in Y2748 / R2748C25: got 'ug/L'
## Warning: Expecting logical in M2749 / R2749C13: got '100-41-4'
## Warning: Expecting logical in W2749 / R2749C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2749 / R2749C24: got '5.0'
## Warning: Expecting logical in Y2749 / R2749C25: got 'ug/L'
## Warning: Expecting logical in M2750 / R2750C13: got '107-06-2'
## Warning: Expecting logical in W2750 / R2750C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2750 / R2750C24: got '5.0'
## Warning: Expecting logical in Y2750 / R2750C25: got 'ug/L'
## Warning: Expecting logical in M2751 / R2751C13: got '67-66-3'
```

```
## Warning: Expecting logical in W2751 / R2751C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2751 / R2751C24: got '5.0'
## Warning: Expecting logical in Y2751 / R2751C25: got 'ug/L'
## Warning: Expecting logical in M2752 / R2752C13: got '127-18-4'
## Warning: Expecting logical in W2752 / R2752C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2752 / R2752C24: got '5.0'
## Warning: Expecting logical in Y2752 / R2752C25: got 'ug/L'
## Warning: Expecting logical in M2753 / R2753C13: got '106-93-4'
## Warning: Expecting logical in W2753 / R2753C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2753 / R2753C24: got '5.0'
## Warning: Expecting logical in Y2753 / R2753C25: got 'ug/L'
## Warning: Expecting logical in M2754 / R2754C13: got '1330-20-7'
## Warning: Expecting logical in W2754 / R2754C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2754 / R2754C24: got '5.0'
## Warning: Expecting logical in Y2754 / R2754C25: got 'ug/L'
## Warning: Expecting logical in M2755 / R2755C13: got '106-43-4'
## Warning: Expecting logical in W2755 / R2755C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2755 / R2755C24: got '5.0'
## Warning: Expecting logical in Y2755 / R2755C25: got 'ug/L'
## Warning: Expecting logical in M2756 / R2756C13: got '7440-36-0'
## Warning: Expecting logical in W2756 / R2756C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2756 / R2756C24: got '120'
## Warning: Expecting logical in Y2756 / R2756C25: got 'ug/L'
## Warning: Expecting logical in M2757 / R2757C13: got '7440-50-8'
```

```
## Warning: Expecting logical in W2757 / R2757C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2757 / R2757C24: got '20'
## Warning: Expecting logical in Y2757 / R2757C25: got 'ug/L'
## Warning: Expecting logical in M2758 / R2758C13: got '14808-79-8'
## Warning: Expecting logical in M2759 / R2759C13: got '7440-47-3'
## Warning: Expecting logical in W2759 / R2759C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2759 / R2759C24: got '20'
## Warning: Expecting logical in Y2759 / R2759C25: got 'ug/L'
## Warning: Expecting logical in M2760 / R2760C13: got '7440-66-6'
## Warning: Expecting logical in W2760 / R2760C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2760 / R2760C24: got '10'
## Warning: Expecting logical in Y2760 / R2760C25: got 'ug/L'
## Warning: Expecting logical in M2761 / R2761C13: got '7429-90-5'
## Warning: Expecting logical in W2761 / R2761C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2761 / R2761C24: got '50'
## Warning: Expecting logical in Y2761 / R2761C25: got 'ug/L'
## Warning: Expecting logical in M2762 / R2762C13: got '7440-47-3'
## Warning: Expecting logical in W2762 / R2762C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2762 / R2762C24: got '5'
## Warning: Expecting logical in Y2762 / R2762C25: got 'ug/L'
## Warning: Expecting logical in M2763 / R2763C13: got '7439-95-4'
## Warning: Expecting logical in M2764 / R2764C13: got '7440-02-0'
## Warning: Expecting logical in W2764 / R2764C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2764 / R2764C24: got '10'
```

```
## Warning: Expecting logical in Y2764 / R2764C25: got 'ug/L'
## Warning: Expecting logical in M2765 / R2765C13: got '7440-70-2'
## Warning: Expecting logical in M2766 / R2766C13: got '7440-43-9'
## Warning: Expecting logical in W2766 / R2766C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2766 / R2766C24: got '0.7'
## Warning: Expecting logical in Y2766 / R2766C25: got 'ug/L'
## Warning: Expecting logical in M2767 / R2767C13: got '7782-49-2'
## Warning: Expecting logical in W2767 / R2767C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2767 / R2767C24: got '190'
## Warning: Expecting logical in Y2767 / R2767C25: got 'ug/L'
## Warning: Expecting logical in M2768 / R2768C13: got '75-09-2'
## Warning: Expecting logical in W2768 / R2768C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2768 / R2768C24: got '5.0'
## Warning: Expecting logical in Y2768 / R2768C25: got 'ug/L'
## Warning: Expecting logical in M2769 / R2769C13: got '71-55-6'
## Warning: Expecting logical in W2769 / R2769C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2769 / R2769C24: got '5.0'
## Warning: Expecting logical in Y2769 / R2769C25: got 'ug/L'
## Warning: Expecting logical in M2770 / R2770C13: got '10061-02-6'
## Warning: Expecting logical in W2770 / R2770C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2770 / R2770C24: got '5.0'
## Warning: Expecting logical in Y2770 / R2770C25: got 'ug/L'
## Warning: Expecting logical in M2771 / R2771C13: got '25735-29-9'
## Warning: Expecting logical in W2771 / R2771C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2771 / R2771C24: got '5.0'
## Warning: Expecting logical in Y2771 / R2771C25: got 'ug/L'
## Warning: Expecting logical in M2772 / R2772C13: got '103-65-1'
## Warning: Expecting logical in W2772 / R2772C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2772 / R2772C24: got '5.0'
## Warning: Expecting logical in Y2772 / R2772C25: got 'ug/L'
## Warning: Expecting logical in M2773 / R2773C13: got '106-46-7'
## Warning: Expecting logical in W2773 / R2773C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2773 / R2773C24: got '5.0'
## Warning: Expecting logical in Y2773 / R2773C25: got 'ug/L'
## Warning: Expecting logical in M2774 / R2774C13: got '1634-04-4'
## Warning: Expecting logical in W2774 / R2774C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2774 / R2774C24: got '5.0'
## Warning: Expecting logical in Y2774 / R2774C25: got 'ug/L'
## Warning: Expecting logical in M2775 / R2775C13: got '16887-00-6'
## Warning: Expecting logical in W2775 / R2775C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2775 / R2775C24: got '10'
## Warning: Expecting logical in Y2775 / R2775C25: got 'mg/L'
## Warning: Expecting logical in M2776 / R2776C13: got '7440-09-7'
## Warning: Expecting logical in W2776 / R2776C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2776 / R2776C24: got '5000'
## Warning: Expecting logical in Y2776 / R2776C25: got 'ug/L'
## Warning: Expecting logical in M2777 / R2777C13: got '71-43-2'
## Warning: Expecting logical in W2777 / R2777C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2777 / R2777C24: got '5.0'
## Warning: Expecting logical in Y2777 / R2777C25: got 'ug/L'
## Warning: Expecting logical in M2778 / R2778C13: got '75-27-4'
## Warning: Expecting logical in W2778 / R2778C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2778 / R2778C24: got '5.0'
## Warning: Expecting logical in Y2778 / R2778C25: got 'ug/L'
## Warning: Expecting logical in M2779 / R2779C13: got '630-20-6'
## Warning: Expecting logical in W2779 / R2779C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2779 / R2779C24: got '5.0'
## Warning: Expecting logical in Y2779 / R2779C25: got 'ug/L'
## Warning: Expecting logical in M2780 / R2780C13: got '95-49-8'
## Warning: Expecting logical in W2780 / R2780C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2780 / R2780C24: got '5.0'
## Warning: Expecting logical in Y2780 / R2780C25: got 'ug/L'
## Warning: Expecting logical in M2781 / R2781C13: got '135-98-8'
## Warning: Expecting logical in W2781 / R2781C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2781 / R2781C24: got '5.0'
## Warning: Expecting logical in Y2781 / R2781C25: got 'ug/L'
## Warning: Expecting logical in M2782 / R2782C13: got '7440-41-7'
## Warning: Expecting logical in W2782 / R2782C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2782 / R2782C24: got '10'
## Warning: Expecting logical in Y2782 / R2782C25: got 'ug/L'
## Warning: Expecting logical in M2783 / R2783C13: got '91-20-3'
## Warning: Expecting logical in W2783 / R2783C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2783 / R2783C24: got '5.0'
## Warning: Expecting logical in Y2783 / R2783C25: got 'ug/L'
## Warning: Expecting logical in M2784 / R2784C13: got '541-73-1'
## Warning: Expecting logical in W2784 / R2784C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2784 / R2784C24: got '5.0'
## Warning: Expecting logical in Y2784 / R2784C25: got 'ug/L'
## Warning: Expecting logical in M2785 / R2785C13: got '563-58-6'
## Warning: Expecting logical in W2785 / R2785C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2785 / R2785C24: got '5.0'
## Warning: Expecting logical in Y2785 / R2785C25: got 'ug/L'
## Warning: Expecting logical in M2786 / R2786C13: got '75-71-8'
## Warning: Expecting logical in W2786 / R2786C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2786 / R2786C24: got '5.0'
## Warning: Expecting logical in Y2786 / R2786C25: got 'ug/L'
## Warning: Expecting logical in M2787 / R2787C13: got '75-69-4'
## Warning: Expecting logical in W2787 / R2787C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2787 / R2787C24: got '5.0'
## Warning: Expecting logical in Y2787 / R2787C25: got 'ug/L'
## Warning: Expecting logical in M2788 / R2788C13: got '108-86-1'
## Warning: Expecting logical in W2788 / R2788C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2788 / R2788C24: got '5.0'
## Warning: Expecting logical in Y2788 / R2788C25: got 'ug/L'
## Warning: Expecting logical in M2789 / R2789C13: got '7782-49-2'
## Warning: Expecting logical in W2789 / R2789C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2789 / R2789C24: got '5'
## Warning: Expecting logical in Y2789 / R2789C25: got 'ug/L'
## Warning: Expecting logical in M2790 / R2790C13: got '74-83-9'
## Warning: Expecting logical in W2790 / R2790C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2790 / R2790C24: got '5.0'
## Warning: Expecting logical in Y2790 / R2790C25: got 'ug/L'
## Warning: Expecting logical in M2791 / R2791C13: got '78-87-5'
## Warning: Expecting logical in W2791 / R2791C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2791 / R2791C24: got '5.0'
## Warning: Expecting logical in Y2791 / R2791C25: got 'ug/L'
## Warning: Expecting logical in M2792 / R2792C13: got '120-82-1'
## Warning: Expecting logical in W2792 / R2792C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2792 / R2792C24: got '5.0'
## Warning: Expecting logical in Y2792 / R2792C25: got 'ug/L'
## Warning: Expecting logical in M2793 / R2793C13: got '7439-92-1'
## Warning: Expecting logical in W2793 / R2793C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2793 / R2793C24: got '1'
## Warning: Expecting logical in Y2793 / R2793C25: got 'ug/L'
## Warning: Expecting logical in M2794 / R2794C13: got '7440-32-6'
## Warning: Expecting logical in W2794 / R2794C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2794 / R2794C24: got '10'
## Warning: Expecting logical in Y2794 / R2794C25: got 'ug/L'
## Warning: Expecting logical in M2795 / R2795C13: got '74-87-3'
## Warning: Expecting logical in W2795 / R2795C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2795 / R2795C24: got '5.0'
## Warning: Expecting logical in Y2795 / R2795C25: got 'ug/L'
## Warning: Expecting logical in M2796 / R2796C13: got '75-00-3'
## Warning: Expecting logical in W2796 / R2796C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2796 / R2796C24: got '5.0'
## Warning: Expecting logical in Y2796 / R2796C25: got 'ug/L'
## Warning: Expecting logical in M2797 / R2797C13: got '75-34-3'
## Warning: Expecting logical in W2797 / R2797C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2797 / R2797C24: got '5.0'
## Warning: Expecting logical in Y2797 / R2797C25: got 'ug/L'
## Warning: Expecting logical in M2798 / R2798C13: got '79-01-6'
## Warning: Expecting logical in W2798 / R2798C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2798 / R2798C24: got '5.0'
## Warning: Expecting logical in Y2798 / R2798C25: got 'ug/L'
## Warning: Expecting logical in M2799 / R2799C13: got '124-48-1'
## Warning: Expecting logical in W2799 / R2799C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2799 / R2799C24: got '5.0'
## Warning: Expecting logical in Y2799 / R2799C25: got 'ug/L'
## Warning: Expecting logical in M2800 / R2800C13: got '75-25-2'
## Warning: Expecting logical in W2800 / R2800C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2800 / R2800C24: got '5.0'
## Warning: Expecting logical in Y2800 / R2800C25: got 'ug/L'
## Warning: Expecting logical in M2801 / R2801C13: got '98-82-8'
## Warning: Expecting logical in W2801 / R2801C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2801 / R2801C24: got '5.0'
## Warning: Expecting logical in Y2801 / R2801C25: got 'ug/L'
## Warning: Expecting logical in M2802 / R2802C13: got '7440-22-4'
## Warning: Expecting logical in W2802 / R2802C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2802 / R2802C24: got '10'
## Warning: Expecting logical in Y2802 / R2802C25: got 'ug/L'
## Warning: Expecting logical in M2803 / R2803C13: got '7723-14-0'
## Warning: Expecting logical in R2803 / R2803C18: got 'as P'
## Warning: Expecting logical in M2804 / R2804C13: got '7439-89-6'
## Warning: Expecting logical in W2804 / R2804C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2804 / R2804C24: got '20'
## Warning: Expecting logical in Y2804 / R2804C25: got 'ug/L'
## Warning: Expecting logical in M2805 / R2805C13: got '7440-28-0'
## Warning: Expecting logical in W2805 / R2805C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2805 / R2805C24: got '1'
## Warning: Expecting logical in Y2805 / R2805C25: got 'ug/L'
## Warning: Expecting logical in M2806 / R2806C13: got '7440-61-1'
## Warning: Expecting logical in W2806 / R2806C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2806 / R2806C24: got '1'
## Warning: Expecting logical in Y2806 / R2806C25: got 'ug/L'
## Warning: Expecting logical in M2807 / R2807C13: got '7440-22-4'
## Warning: Expecting logical in W2807 / R2807C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2807 / R2807C24: got '5'
## Warning: Expecting logical in Y2807 / R2807C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2808 / R2808C13: got '7440-48-4'
## Warning: Expecting logical in W2808 / R2808C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2808 / R2808C24: got '10'
## Warning: Expecting logical in Y2808 / R2808C25: got 'ug/L'
## Warning: Expecting logical in M2809 / R2809C13: got '7440-38-2'
## Warning: Expecting logical in W2809 / R2809C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2809 / R2809C24: got '80'
## Warning: Expecting logical in Y2809 / R2809C25: got 'ug/L'
## Warning: Expecting logical in M2810 / R2810C13: got '7439-98-7'
## Warning: Expecting logical in W2810 / R2810C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2810 / R2810C24: got '5'
## Warning: Expecting logical in Y2810 / R2810C25: got 'ug/L'
## Warning: Expecting logical in M2811 / R2811C13: got '87-61-6'
## Warning: Expecting logical in W2811 / R2811C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2811 / R2811C24: got '5.0'
## Warning: Expecting logical in Y2811 / R2811C25: got 'ug/L'
## Warning: Expecting logical in M2812 / R2812C13: got '594-20-7'
## Warning: Expecting logical in W2812 / R2812C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2812 / R2812C24: got '5.0'
## Warning: Expecting logical in Y2812 / R2812C25: got 'ug/L'
## Warning: Expecting logical in M2813 / R2813C13: got '142-28-9'
## Warning: Expecting logical in W2813 / R2813C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2813 / R2813C24: got '5.0'
## Warning: Expecting logical in Y2813 / R2813C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2814 / R2814C13: got '100-42-5'
## Warning: Expecting logical in W2814 / R2814C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2814 / R2814C24: got '5.0'
## Warning: Expecting logical in Y2814 / R2814C25: got 'ug/L'
## Warning: Expecting logical in M2815 / R2815C13: got '156-60-5'
## Warning: Expecting logical in W2815 / R2815C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2815 / R2815C24: got '5.0'
## Warning: Expecting logical in Y2815 / R2815C25: got 'ug/L'
## Warning: Expecting logical in M2816 / R2816C13: got '104-51-8'
## Warning: Expecting logical in W2816 / R2816C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2816 / R2816C24: got '5.0'
## Warning: Expecting logical in Y2816 / R2816C25: got 'ug/L'
## Warning: Expecting logical in M2817 / R2817C13: got '7440-02-0'
## Warning: Expecting logical in W2817 / R2817C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2817 / R2817C24: got '20'
## Warning: Expecting logical in Y2817 / R2817C25: got 'ug/L'
## Warning: Expecting logical in M2818 / R2818C13: got '7429-90-5'
## Warning: Expecting logical in W2818 / R2818C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2818 / R2818C24: got '100'
## Warning: Expecting logical in Y2818 / R2818C25: got 'ug/L'
## Warning: Expecting logical in M2819 / R2819C13: got '7440-62-2'
## Warning: Expecting logical in W2819 / R2819C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2819 / R2819C24: got '10'
## Warning: Expecting logical in Y2819 / R2819C25: got 'ug/L'
```

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## Warning: Expecting logical in M2820 / R2820C13: got '98-06-6'
## Warning: Expecting logical in W2820 / R2820C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2820 / R2820C24: got '5.0'
## Warning: Expecting logical in Y2820 / R2820C25: got 'ug/L'
## Warning: Expecting logical in M2821 / R2821C13: got '87-68-3'
## Warning: Expecting logical in W2821 / R2821C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2821 / R2821C24: got '5.0'
## Warning: Expecting logical in Y2821 / R2821C25: got 'ug/L'
## Warning: Expecting logical in M2822 / R2822C13: got '7440-43-9'
## Warning: Expecting logical in W2822 / R2822C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2822 / R2822C24: got '10'
## Warning: Expecting logical in Y2822 / R2822C25: got 'ug/L'
## Warning: Expecting logical in M2823 / R2823C13: got '7440-23-5'
## Warning: Expecting logical in M2824 / R2824C13: got '7440-31-5'
## Warning: Expecting logical in W2824 / R2824C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2824 / R2824C24: got '30'
## Warning: Expecting logical in Y2824 / R2824C25: got 'ug/L'
## Warning: Expecting logical in M2825 / R2825C13: got '7440-39-3'
## Warning: Expecting logical in M2826 / R2826C13: got '7440-36-0'
## Warning: Expecting logical in W2826 / R2826C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2826 / R2826C24: got '5'
## Warning: Expecting logical in Y2826 / R2826C25: got 'ug/L'
## Warning: Expecting logical in M2827 / R2827C13: got '7439-92-1'
## Warning: Expecting logical in W2827 / R2827C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2827 / R2827C24: got '90'
## Warning: Expecting logical in Y2827 / R2827C25: got 'ug/L'
## Warning: Expecting logical in M2828 / R2828C13: got '99-87-6'
## Warning: Expecting logical in W2828 / R2828C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2828 / R2828C24: got '5.0'
## Warning: Expecting logical in Y2828 / R2828C25: got 'ug/L'
## Warning: Expecting logical in M2829 / R2829C13: got '108-90-7'
## Warning: Expecting logical in W2829 / R2829C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2829 / R2829C24: got '5.0'
## Warning: Expecting logical in Y2829 / R2829C25: got 'ug/L'
## Warning: Expecting logical in M2830 / R2830C13: got '79-00-5'
## Warning: Expecting logical in W2830 / R2830C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2830 / R2830C24: got '5.0'
## Warning: Expecting logical in Y2830 / R2830C25: got 'ug/L'
## Warning: Expecting logical in M2831 / R2831C13: got '75-01-4'
## Warning: Expecting logical in W2831 / R2831C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2831 / R2831C24: got '5.0'
## Warning: Expecting logical in Y2831 / R2831C25: got 'ug/L'
## Warning: Expecting logical in M2832 / R2832C13: got '95-63-6'
## Warning: Expecting logical in W2832 / R2832C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2832 / R2832C24: got '5.0'
## Warning: Expecting logical in Y2832 / R2832C25: got 'ug/L'
## Warning: Expecting logical in M2833 / R2833C13: got '74-95-3'
## Warning: Expecting logical in W2833 / R2833C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2833 / R2833C24: got '5.0'
## Warning: Expecting logical in Y2833 / R2833C25: got 'ug/L'
## Warning: Expecting logical in M2834 / R2834C13: got '156-59-2'
## Warning: Expecting logical in W2834 / R2834C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2834 / R2834C24: got '5.0'
## Warning: Expecting logical in Y2834 / R2834C25: got 'ug/L'
## Warning: Expecting logical in M2835 / R2835C13: got '74-97-5'
## Warning: Expecting logical in W2835 / R2835C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2835 / R2835C24: got '5.0'
## Warning: Expecting logical in Y2835 / R2835C25: got 'ug/L'
## Warning: Expecting logical in M2836 / R2836C13: got '95-50-1'
## Warning: Expecting logical in W2836 / R2836C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2836 / R2836C24: got '5.0'
## Warning: Expecting logical in Y2836 / R2836C25: got 'ug/L'
## Warning: Expecting logical in M2837 / R2837C13: got '7440-66-6'
## Warning: Expecting logical in W2837 / R2837C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2837 / R2837C24: got '20'
## Warning: Expecting logical in Y2837 / R2837C25: got 'ug/L'
## Warning: Expecting logical in M2838 / R2838C13: got '7440-39-3'
## Warning: Expecting logical in R2839 / R2839C18: got 'as N'
## Warning: Expecting logical in W2839 / R2839C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2839 / R2839C24: got '0.02'
## Warning: Expecting logical in Y2839 / R2839C25: got 'mg/L'
## Warning: Expecting logical in M2840 / R2840C13: got '7440-38-2'
```

```
## Warning: Expecting logical in W2840 / R2840C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2840 / R2840C24: got '5'
## Warning: Expecting logical in Y2840 / R2840C25: got 'ug/L'
## Warning: Expecting logical in M2841 / R2841C13: got '7440-50-8'
## Warning: Expecting logical in W2841 / R2841C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2841 / R2841C24: got '5'
## Warning: Expecting logical in Y2841 / R2841C25: got 'ug/L'
## Warning: Expecting logical in M2842 / R2842C13: got '108-88-3'
## Warning: Expecting logical in W2842 / R2842C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2842 / R2842C24: got '5.0'
## Warning: Expecting logical in Y2842 / R2842C25: got 'ug/L'
## Warning: Expecting logical in M2843 / R2843C13: got '10061-01-5'
## Warning: Expecting logical in W2843 / R2843C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2843 / R2843C24: got '5.0'
## Warning: Expecting logical in Y2843 / R2843C25: got 'ug/L'
## Warning: Expecting logical in M2844 / R2844C13: got '75-69-4'
## Warning: Expecting logical in W2844 / R2844C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2844 / R2844C24: got '0.5'
## Warning: Expecting logical in Y2844 / R2844C25: got 'ug/L'
## Warning: Expecting logical in M2845 / R2845C13: got '10061-01-5'
## Warning: Expecting logical in W2845 / R2845C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2845 / R2845C24: got '0.5'
## Warning: Expecting logical in Y2845 / R2845C25: got 'ug/L'
## Warning: Expecting logical in M2846 / R2846C13: got '10061-02-6'
```

```
## Warning: Expecting logical in W2846 / R2846C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2846 / R2846C24: got '0.5'
## Warning: Expecting logical in Y2846 / R2846C25: got 'ug/L'
## Warning: Expecting logical in M2847 / R2847C13: got '7429-90-5'
## Warning: Expecting logical in W2847 / R2847C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2847 / R2847C24: got '100'
## Warning: Expecting logical in Y2847 / R2847C25: got 'ug/L'
## Warning: Expecting logical in M2848 / R2848C13: got '67-66-3'
## Warning: Expecting logical in W2848 / R2848C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2848 / R2848C24: got '0.5'
## Warning: Expecting logical in Y2848 / R2848C25: got 'ug/L'
## Warning: Expecting logical in M2849 / R2849C13: got '7439-89-6'
## Warning: Expecting logical in M2850 / R2850C13: got '75-34-3'
## Warning: Expecting logical in W2850 / R2850C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2850 / R2850C24: got '0.5'
## Warning: Expecting logical in Y2850 / R2850C25: got 'ug/L'
## Warning: Expecting logical in M2851 / R2851C13: got '108-88-3'
## Warning: Expecting logical in W2851 / R2851C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2851 / R2851C24: got '0.5'
## Warning: Expecting logical in Y2851 / R2851C25: got 'ug/L'
## Warning: Expecting logical in M2852 / R2852C13: got '156-60-5'
## Warning: Expecting logical in W2852 / R2852C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2852 / R2852C24: got '0.5'
## Warning: Expecting logical in Y2852 / R2852C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2853 / R2853C13: got '7440-61-1'
## Warning: Expecting logical in W2853 / R2853C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2853 / R2853C24: got '1'
## Warning: Expecting logical in Y2853 / R2853C25: got 'ug/L'
## Warning: Expecting logical in M2854 / R2854C13: got '7439-92-1'
## Warning: Expecting logical in W2854 / R2854C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2854 / R2854C24: got '1'
## Warning: Expecting logical in Y2854 / R2854C25: got 'ug/L'
## Warning: Expecting logical in M2855 / R2855C13: got '7440-39-3'
## Warning: Expecting logical in M2856 / R2856C13: got '71-55-6'
## Warning: Expecting logical in W2856 / R2856C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2856 / R2856C24: got '0.5'
## Warning: Expecting logical in Y2856 / R2856C25: got 'ug/L'
## Warning: Expecting logical in M2857 / R2857C13: got '541-73-1'
## Warning: Expecting logical in W2857 / R2857C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2857 / R2857C24: got '0.5'
## Warning: Expecting logical in Y2857 / R2857C25: got 'ug/L'
## Warning: Expecting logical in M2858 / R2858C13: got '7440-02-0'
## Warning: Expecting logical in W2858 / R2858C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2858 / R2858C24: got '10'
## Warning: Expecting logical in Y2858 / R2858C25: got 'ug/L'
## Warning: Expecting logical in M2859 / R2859C13: got '7440-43-9'
## Warning: Expecting logical in W2859 / R2859C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2859 / R2859C24: got '0.7'
```

```
## Warning: Expecting logical in Y2859 / R2859C25: got 'ug/L'
## Warning: Expecting logical in M2860 / R2860C13: got '7440-43-9'
## Warning: Expecting logical in W2860 / R2860C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2860 / R2860C24: got '10'
## Warning: Expecting logical in Y2860 / R2860C25: got 'ug/L'
## Warning: Expecting logical in M2861 / R2861C13: got '87-61-6'
## Warning: Expecting logical in W2861 / R2861C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2861 / R2861C24: got '0.5'
## Warning: Expecting logical in Y2861 / R2861C25: got 'ug/L'
## Warning: Expecting logical in M2862 / R2862C13: got '95-50-1'
## Warning: Expecting logical in W2862 / R2862C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2862 / R2862C24: got '0.5'
## Warning: Expecting logical in Y2862 / R2862C25: got 'ug/L'
## Warning: Expecting logical in M2863 / R2863C13: got '100-42-5'
## Warning: Expecting logical in W2863 / R2863C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2863 / R2863C24: got '0.5'
## Warning: Expecting logical in Y2863 / R2863C25: got 'ug/L'
## Warning: Expecting logical in M2864 / R2864C13: got '630-20-6'
## Warning: Expecting logical in W2864 / R2864C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2864 / R2864C24: got '0.5'
## Warning: Expecting logical in Y2864 / R2864C25: got 'ug/L'
## Warning: Expecting logical in M2865 / R2865C13: got '74-83-9'
## Warning: Expecting logical in W2865 / R2865C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2865 / R2865C24: got '0.5'
```

```
## Warning: Expecting logical in Y2865 / R2865C25: got 'ug/L'
## Warning: Expecting logical in M2866 / R2866C13: got '7439-95-4'
## Warning: Expecting logical in M2867 / R2867C13: got '108-86-1'
## Warning: Expecting logical in W2867 / R2867C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2867 / R2867C24: got '0.5'
## Warning: Expecting logical in Y2867 / R2867C25: got 'ug/L'
## Warning: Expecting logical in M2868 / R2868C13: got '98-82-8'
## Warning: Expecting logical in W2868 / R2868C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2868 / R2868C24: got '0.5'
## Warning: Expecting logical in Y2868 / R2868C25: got 'ug/L'
## Warning: Expecting logical in M2869 / R2869C13: got '79-00-5'
## Warning: Expecting logical in W2869 / R2869C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2869 / R2869C24: got '0.5'
## Warning: Expecting logical in Y2869 / R2869C25: got 'ug/L'
## Warning: Expecting logical in M2870 / R2870C13: got '100-41-4'
## Warning: Expecting logical in W2870 / R2870C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2870 / R2870C24: got '0.5'
## Warning: Expecting logical in Y2870 / R2870C25: got 'ug/L'
## Warning: Expecting logical in M2871 / R2871C13: got '1634-04-4'
## Warning: Expecting logical in W2871 / R2871C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2871 / R2871C24: got '0.5'
## Warning: Expecting logical in Y2871 / R2871C25: got 'ug/L'
## Warning: Expecting logical in M2872 / R2872C13: got '74-95-3'
## Warning: Expecting logical in W2872 / R2872C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2872 / R2872C24: got '0.5'
## Warning: Expecting logical in Y2872 / R2872C25: got 'ug/L'
## Warning: Expecting logical in M2873 / R2873C13: got '75-27-4'
## Warning: Expecting logical in W2873 / R2873C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2873 / R2873C24: got '0.5'
## Warning: Expecting logical in Y2873 / R2873C25: got 'ug/L'
## Warning: Expecting logical in M2874 / R2874C13: got '7440-36-0'
## Warning: Expecting logical in W2874 / R2874C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2874 / R2874C24: got '120'
## Warning: Expecting logical in Y2874 / R2874C25: got 'ug/L'
## Warning: Expecting logical in M2875 / R2875C13: got '142-28-9'
## Warning: Expecting logical in W2875 / R2875C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2875 / R2875C24: got '0.5'
## Warning: Expecting logical in Y2875 / R2875C25: got 'ug/L'
## Warning: Expecting logical in M2876 / R2876C13: got '75-35-4'
## Warning: Expecting logical in W2876 / R2876C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2876 / R2876C24: got '0.5'
## Warning: Expecting logical in Y2876 / R2876C25: got 'ug/L'
## Warning: Expecting logical in M2877 / R2877C13: got '79-01-6'
## Warning: Expecting logical in W2877 / R2877C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2877 / R2877C24: got '0.5'
## Warning: Expecting logical in Y2877 / R2877C25: got 'ug/L'
## Warning: Expecting logical in M2878 / R2878C13: got '106-43-4'
## Warning: Expecting logical in W2878 / R2878C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2878 / R2878C24: got '0.5'
## Warning: Expecting logical in Y2878 / R2878C25: got 'ug/L'
## Warning: Expecting logical in M2879 / R2879C13: got '106-93-4'
## Warning: Expecting logical in W2879 / R2879C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2879 / R2879C24: got '0.5'
## Warning: Expecting logical in Y2879 / R2879C25: got 'ug/L'
## Warning: Expecting logical in M2880 / R2880C13: got '95-63-6'
## Warning: Expecting logical in W2880 / R2880C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2880 / R2880C24: got '0.5'
## Warning: Expecting logical in Y2880 / R2880C25: got 'ug/L'
## Warning: Expecting logical in M2881 / R2881C13: got '7782-49-2'
## Warning: Expecting logical in W2881 / R2881C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2881 / R2881C24: got '5'
## Warning: Expecting logical in Y2881 / R2881C25: got 'ug/L'
## Warning: Expecting logical in M2882 / R2882C13: got '7440-66-6'
## Warning: Expecting logical in M2883 / R2883C13: got '594-20-7'
## Warning: Expecting logical in W2883 / R2883C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2883 / R2883C24: got '0.5'
## Warning: Expecting logical in Y2883 / R2883C25: got 'ug/L'
## Warning: Expecting logical in M2884 / R2884C13: got '563-58-6'
## Warning: Expecting logical in W2884 / R2884C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2884 / R2884C24: got '0.5'
## Warning: Expecting logical in Y2884 / R2884C25: got 'ug/L'
## Warning: Expecting logical in M2885 / R2885C13: got '78-87-5'
```

```
## Warning: Expecting logical in W2885 / R2885C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2885 / R2885C24: got '0.5'
## Warning: Expecting logical in Y2885 / R2885C25: got 'ug/L'
## Warning: Expecting logical in M2886 / R2886C13: got '25735-29-9'
## Warning: Expecting logical in W2886 / R2886C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2886 / R2886C24: got '0.5'
## Warning: Expecting logical in Y2886 / R2886C25: got 'ug/L'
## Warning: Expecting logical in M2887 / R2887C13: got '106-46-7'
## Warning: Expecting logical in W2887 / R2887C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2887 / R2887C24: got '0.5'
## Warning: Expecting logical in Y2887 / R2887C25: got 'ug/L'
## Warning: Expecting logical in M2888 / R2888C13: got '7439-92-1'
## Warning: Expecting logical in W2888 / R2888C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2888 / R2888C24: got '90'
## Warning: Expecting logical in Y2888 / R2888C25: got 'ug/L'
## Warning: Expecting logical in M2889 / R2889C13: got '7782-49-2'
## Warning: Expecting logical in W2889 / R2889C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2889 / R2889C24: got '190'
## Warning: Expecting logical in Y2889 / R2889C25: got 'ug/L'
## Warning: Expecting logical in M2890 / R2890C13: got '98-06-6'
## Warning: Expecting logical in W2890 / R2890C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2890 / R2890C24: got '0.5'
## Warning: Expecting logical in Y2890 / R2890C25: got 'ug/L'
## Warning: Expecting logical in M2891 / R2891C13: got '7440-22-4'
```

```
## Warning: Expecting logical in W2891 / R2891C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2891 / R2891C24: got '10'
## Warning: Expecting logical in Y2891 / R2891C25: got 'ug/L'
## Warning: Expecting logical in M2892 / R2892C13: got '14808-79-8'
## Warning: Expecting logical in M2893 / R2893C13: got '7429-90-5'
## Warning: Expecting logical in W2893 / R2893C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2893 / R2893C24: got '50'
## Warning: Expecting logical in Y2893 / R2893C25: got 'ug/L'
## Warning: Expecting logical in M2894 / R2894C13: got '7440-32-6'
## Warning: Expecting logical in W2894 / R2894C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2894 / R2894C24: got '10'
## Warning: Expecting logical in Y2894 / R2894C25: got 'ug/L'
## Warning: Expecting logical in M2895 / R2895C13: got '7440-38-2'
## Warning: Expecting logical in W2895 / R2895C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2895 / R2895C24: got '80'
## Warning: Expecting logical in Y2895 / R2895C25: got 'ug/L'
## Warning: Expecting logical in M2896 / R2896C13: got '108-67-8'
## Warning: Expecting logical in W2896 / R2896C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2896 / R2896C24: got '0.5'
## Warning: Expecting logical in Y2896 / R2896C25: got 'ug/L'
## Warning: Expecting logical in M2897 / R2897C13: got '95-49-8'
## Warning: Expecting logical in W2897 / R2897C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2897 / R2897C24: got '0.5'
## Warning: Expecting logical in Y2897 / R2897C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2898 / R2898C13: got '7440-62-2'
## Warning: Expecting logical in W2898 / R2898C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2898 / R2898C24: got '10'
## Warning: Expecting logical in Y2898 / R2898C25: got 'ug/L'
## Warning: Expecting logical in M2899 / R2899C13: got '7440-28-0'
## Warning: Expecting logical in W2899 / R2899C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2899 / R2899C24: got '1'
## Warning: Expecting logical in Y2899 / R2899C25: got 'ug/L'
## Warning: Expecting logical in M2900 / R2900C13: got '7439-96-5'
## Warning: Expecting logical in M2901 / R2901C13: got '7440-39-3'
## Warning: Expecting logical in M2902 / R2902C13: got '120-82-1'
## Warning: Expecting logical in W2902 / R2902C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2902 / R2902C24: got '0.5'
## Warning: Expecting logical in Y2902 / R2902C25: got 'ug/L'
## Warning: Expecting logical in M2903 / R2903C13: got '135-98-8'
## Warning: Expecting logical in W2903 / R2903C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2903 / R2903C24: got '0.5'
## Warning: Expecting logical in Y2903 / R2903C25: got 'ug/L'
## Warning: Expecting logical in M2904 / R2904C13: got '124-48-1'
## Warning: Expecting logical in W2904 / R2904C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2904 / R2904C24: got '0.5'
## Warning: Expecting logical in Y2904 / R2904C25: got 'ug/L'
## Warning: Expecting logical in M2905 / R2905C13: got '7440-22-4'
## Warning: Expecting logical in W2905 / R2905C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2905 / R2905C24: got '5'
## Warning: Expecting logical in Y2905 / R2905C25: got 'ug/L'
## Warning: Expecting logical in M2906 / R2906C13: got '7440-50-8'
## Warning: Expecting logical in W2906 / R2906C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2906 / R2906C24: got '5'
## Warning: Expecting logical in Y2906 / R2906C25: got 'ug/L'
## Warning: Expecting logical in M2907 / R2907C13: got '16887-00-6'
## Warning: Expecting logical in W2907 / R2907C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2907 / R2907C24: got '10'
## Warning: Expecting logical in Y2907 / R2907C25: got 'mg/L'
## Warning: Expecting logical in M2908 / R2908C13: got '7440-28-0'
## Warning: Expecting logical in W2908 / R2908C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2908 / R2908C24: got '200'
## Warning: Expecting logical in Y2908 / R2908C25: got 'ug/L'
## Warning: Expecting logical in M2909 / R2909C13: got '127-18-4'
## Warning: Expecting logical in W2909 / R2909C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2909 / R2909C24: got '0.5'
## Warning: Expecting logical in Y2909 / R2909C25: got 'ug/L'
## Warning: Expecting logical in M2910 / R2910C13: got '107-06-2'
## Warning: Expecting logical in W2910 / R2910C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2910 / R2910C24: got '0.5'
## Warning: Expecting logical in Y2910 / R2910C25: got 'ug/L'
## Warning: Expecting logical in M2911 / R2911C13: got '75-09-2'
## Warning: Expecting logical in W2911 / R2911C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2911 / R2911C24: got '0.5'
## Warning: Expecting logical in Y2911 / R2911C25: got 'ug/L'
## Warning: Expecting logical in M2912 / R2912C13: got '75-01-4'
## Warning: Expecting logical in W2912 / R2912C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2912 / R2912C24: got '0.5'
## Warning: Expecting logical in Y2912 / R2912C25: got 'ug/L'
## Warning: Expecting logical in M2913 / R2913C13: got '75-71-8'
## Warning: Expecting logical in W2913 / R2913C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2913 / R2913C24: got '0.5'
## Warning: Expecting logical in Y2913 / R2913C25: got 'ug/L'
## Warning: Expecting logical in M2914 / R2914C13: got '74-97-5'
## Warning: Expecting logical in W2914 / R2914C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2914 / R2914C24: got '0.5'
## Warning: Expecting logical in Y2914 / R2914C25: got 'ug/L'
## Warning: Expecting logical in M2915 / R2915C13: got '79-34-5'
## Warning: Expecting logical in W2915 / R2915C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2915 / R2915C24: got '0.5'
## Warning: Expecting logical in Y2915 / R2915C25: got 'ug/L'
## Warning: Expecting logical in M2916 / R2916C13: got '99-87-6'
## Warning: Expecting logical in W2916 / R2916C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2916 / R2916C24: got '0.5'
## Warning: Expecting logical in Y2916 / R2916C25: got 'ug/L'
## Warning: Expecting logical in M2917 / R2917C13: got '87-68-3'
## Warning: Expecting logical in W2917 / R2917C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2917 / R2917C24: got '0.5'
## Warning: Expecting logical in Y2917 / R2917C25: got 'ug/L'
## Warning: Expecting logical in M2918 / R2918C13: got '7723-14-0'
## Warning: Expecting logical in R2918 / R2918C18: got 'as P'
## Warning: Expecting logical in W2918 / R2918C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2918 / R2918C24: got '0.02'
## Warning: Expecting logical in Y2918 / R2918C25: got 'mg/L'
## Warning: Expecting logical in M2919 / R2919C13: got '16984-48-8'
## Warning: Expecting logical in M2920 / R2920C13: got '7440-02-0'
## Warning: Expecting logical in W2920 / R2920C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2920 / R2920C24: got '20'
## Warning: Expecting logical in Y2920 / R2920C25: got 'ug/L'
## Warning: Expecting logical in R2921 / R2921C18: got 'as N'
## Warning: Expecting logical in W2921 / R2921C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2921 / R2921C24: got '0.02'
## Warning: Expecting logical in Y2921 / R2921C25: got 'mg/L'
## Warning: Expecting logical in M2922 / R2922C13: got '7439-98-7'
## Warning: Expecting logical in W2922 / R2922C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2922 / R2922C24: got '5'
## Warning: Expecting logical in Y2922 / R2922C25: got 'ug/L'
## Warning: Expecting logical in M2923 / R2923C13: got '96-12-8'
## Warning: Expecting logical in W2923 / R2923C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2923 / R2923C24: got '0.5'
## Warning: Expecting logical in Y2923 / R2923C25: got 'ug/L'
```

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## Warning: Expecting logical in M2924 / R2924C13: got '7440-36-0'
## Warning: Expecting logical in W2924 / R2924C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2924 / R2924C24: got '5'
## Warning: Expecting logical in Y2924 / R2924C25: got 'ug/L'
## Warning: Expecting logical in M2925 / R2925C13: got '7440-70-2'
## Warning: Expecting logical in M2926 / R2926C13: got '7440-09-7'
## Warning: Expecting logical in W2926 / R2926C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2926 / R2926C24: got '5000'
## Warning: Expecting logical in Y2926 / R2926C25: got 'ug/L'
## Warning: Expecting logical in M2927 / R2927C13: got '7440-66-6'
## Warning: Expecting logical in M2928 / R2928C13: got '7440-48-4'
## Warning: Expecting logical in W2928 / R2928C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2928 / R2928C24: got '10'
## Warning: Expecting logical in Y2928 / R2928C25: got 'ug/L'
## Warning: Expecting logical in M2929 / R2929C13: got '7440-47-3'
## Warning: Expecting logical in W2929 / R2929C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2929 / R2929C24: got '5'
## Warning: Expecting logical in Y2929 / R2929C25: got 'ug/L'
## Warning: Expecting logical in M2930 / R2930C13: got '1330-20-7'
## Warning: Expecting logical in W2930 / R2930C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2930 / R2930C24: got '0.50'
## Warning: Expecting logical in Y2930 / R2930C25: got 'ug/L'
## Warning: Expecting logical in M2931 / R2931C13: got '71-43-2'
## Warning: Expecting logical in W2931 / R2931C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2931 / R2931C24: got '0.5'
## Warning: Expecting logical in Y2931 / R2931C25: got 'ug/L'
## Warning: Expecting logical in M2932 / R2932C13: got '56-23-5'
## Warning: Expecting logical in W2932 / R2932C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2932 / R2932C24: got '0.5'
## Warning: Expecting logical in Y2932 / R2932C25: got 'ug/L'
## Warning: Expecting logical in M2933 / R2933C13: got '104-51-8'
## Warning: Expecting logical in W2933 / R2933C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2933 / R2933C24: got '0.5'
## Warning: Expecting logical in Y2933 / R2933C25: got 'ug/L'
## Warning: Expecting logical in M2934 / R2934C13: got '103-65-1'
## Warning: Expecting logical in W2934 / R2934C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2934 / R2934C24: got '0.5'
## Warning: Expecting logical in Y2934 / R2934C25: got 'ug/L'
## Warning: Expecting logical in M2935 / R2935C13: got '75-25-2'
## Warning: Expecting logical in W2935 / R2935C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2935 / R2935C24: got '0.5'
## Warning: Expecting logical in Y2935 / R2935C25: got 'ug/L'
## Warning: Expecting logical in M2936 / R2936C13: got '108-90-7'
## Warning: Expecting logical in W2936 / R2936C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2936 / R2936C24: got '0.5'
## Warning: Expecting logical in Y2936 / R2936C25: got 'ug/L'
## Warning: Expecting logical in M2937 / R2937C13: got '7440-31-5'
## Warning: Expecting logical in W2937 / R2937C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2937 / R2937C24: got '30'
## Warning: Expecting logical in Y2937 / R2937C25: got 'ug/L'
## Warning: Expecting logical in M2938 / R2938C13: got '156-59-2'
## Warning: Expecting logical in W2938 / R2938C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2938 / R2938C24: got '0.5'
## Warning: Expecting logical in Y2938 / R2938C25: got 'ug/L'
## Warning: Expecting logical in M2939 / R2939C13: got '75-00-3'
## Warning: Expecting logical in W2939 / R2939C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2939 / R2939C24: got '0.5'
## Warning: Expecting logical in Y2939 / R2939C25: got 'ug/L'
## Warning: Expecting logical in M2940 / R2940C13: got '74-87-3'
## Warning: Expecting logical in W2940 / R2940C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2940 / R2940C24: got '0.5'
## Warning: Expecting logical in Y2940 / R2940C25: got 'ug/L'
## Warning: Expecting logical in M2941 / R2941C13: got '91-20-3'
## Warning: Expecting logical in W2941 / R2941C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2941 / R2941C24: got '0.5'
## Warning: Expecting logical in Y2941 / R2941C25: got 'ug/L'
## Warning: Expecting logical in M2942 / R2942C13: got '7440-23-5'
## Warning: Expecting logical in M2943 / R2943C13: got '7440-41-7'
## Warning: Expecting logical in W2943 / R2943C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2943 / R2943C24: got '10'
## Warning: Expecting logical in Y2943 / R2943C25: got 'ug/L'
## Warning: Expecting logical in M2944 / R2944C13: got '7440-38-2'
```

```
## Warning: Expecting logical in W2944 / R2944C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2944 / R2944C24: got '5'
## Warning: Expecting logical in Y2944 / R2944C25: got 'ug/L'
## Warning: Expecting logical in M2945 / R2945C13: got '7440-50-8'
## Warning: Expecting logical in W2945 / R2945C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2945 / R2945C24: got '20'
## Warning: Expecting logical in Y2945 / R2945C25: got 'ug/L'
## Warning: Expecting logical in M2946 / R2946C13: got '7440-47-3'
## Warning: Expecting logical in W2946 / R2946C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2946 / R2946C24: got '20'
## Warning: Expecting logical in Y2946 / R2946C25: got 'ug/L'
## Warning: Expecting logical in M2947 / R2947C13: got '95-63-6'
## Warning: Expecting logical in W2947 / R2947C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2947 / R2947C24: got '0.5'
## Warning: Expecting logical in Y2947 / R2947C25: got 'ug/L'
## Warning: Expecting logical in R2948 / R2948C18: got 'as N'
## Warning: Expecting logical in M2949 / R2949C13: got '100-41-4'
## Warning: Expecting logical in W2949 / R2949C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2949 / R2949C24: got '0.5'
## Warning: Expecting logical in Y2949 / R2949C25: got 'ug/L'
## Warning: Expecting logical in M2950 / R2950C13: got '156-60-5'
## Warning: Expecting logical in W2950 / R2950C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2950 / R2950C24: got '0.5'
## Warning: Expecting logical in Y2950 / R2950C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2951 / R2951C13: got '142-28-9'
## Warning: Expecting logical in W2951 / R2951C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2951 / R2951C24: got '0.5'
## Warning: Expecting logical in Y2951 / R2951C25: got 'ug/L'
## Warning: Expecting logical in M2952 / R2952C13: got '74-87-3'
## Warning: Expecting logical in W2952 / R2952C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2952 / R2952C24: got '0.5'
## Warning: Expecting logical in Y2952 / R2952C25: got 'ug/L'
## Warning: Expecting logical in M2953 / R2953C13: got '56-23-5'
## Warning: Expecting logical in W2953 / R2953C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2953 / R2953C24: got '0.5'
## Warning: Expecting logical in Y2953 / R2953C25: got 'ug/L'
## Warning: Expecting logical in M2954 / R2954C13: got '10061-01-5'
## Warning: Expecting logical in W2954 / R2954C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2954 / R2954C24: got '0.5'
## Warning: Expecting logical in Y2954 / R2954C25: got 'ug/L'
## Warning: Expecting logical in M2955 / R2955C13: got '7439-92-1'
## Warning: Expecting logical in W2955 / R2955C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2955 / R2955C24: got '1'
## Warning: Expecting logical in Y2955 / R2955C25: got 'ug/L'
## Warning: Expecting logical in M2956 / R2956C13: got '108-88-3'
## Warning: Expecting logical in W2956 / R2956C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2956 / R2956C24: got '0.5'
## Warning: Expecting logical in Y2956 / R2956C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2957 / R2957C13: got '103-65-1'
## Warning: Expecting logical in W2957 / R2957C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2957 / R2957C24: got '0.5'
## Warning: Expecting logical in Y2957 / R2957C25: got 'ug/L'
## Warning: Expecting logical in M2958 / R2958C13: got '106-46-7'
## Warning: Expecting logical in W2958 / R2958C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2958 / R2958C24: got '0.5'
## Warning: Expecting logical in Y2958 / R2958C25: got 'ug/L'
## Warning: Expecting logical in M2959 / R2959C13: got '7440-38-2'
## Warning: Expecting logical in W2959 / R2959C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2959 / R2959C24: got '80'
## Warning: Expecting logical in Y2959 / R2959C25: got 'ug/L'
## Warning: Expecting logical in M2960 / R2960C13: got '16887-00-6'
## Warning: Expecting logical in W2960 / R2960C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2960 / R2960C24: got '10'
## Warning: Expecting logical in Y2960 / R2960C25: got 'mg/L'
## Warning: Expecting logical in M2961 / R2961C13: got '7440-47-3'
## Warning: Expecting logical in W2961 / R2961C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2961 / R2961C24: got '5'
## Warning: Expecting logical in Y2961 / R2961C25: got 'ug/L'
## Warning: Expecting logical in M2962 / R2962C13: got '7439-98-7'
## Warning: Expecting logical in W2962 / R2962C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2962 / R2962C24: got '5'
## Warning: Expecting logical in Y2962 / R2962C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2963 / R2963C13: got '74-83-9'
## Warning: Expecting logical in W2963 / R2963C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2963 / R2963C24: got '0.5'
## Warning: Expecting logical in Y2963 / R2963C25: got 'ug/L'
## Warning: Expecting logical in M2964 / R2964C13: got '67-66-3'
## Warning: Expecting logical in W2964 / R2964C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2964 / R2964C24: got '0.5'
## Warning: Expecting logical in Y2964 / R2964C25: got 'ug/L'
## Warning: Expecting logical in M2965 / R2965C13: got '78-87-5'
## Warning: Expecting logical in W2965 / R2965C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2965 / R2965C24: got '0.5'
## Warning: Expecting logical in Y2965 / R2965C25: got 'ug/L'
## Warning: Expecting logical in M2966 / R2966C13: got '79-34-5'
## Warning: Expecting logical in W2966 / R2966C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2966 / R2966C24: got '0.5'
## Warning: Expecting logical in Y2966 / R2966C25: got 'ug/L'
## Warning: Expecting logical in M2967 / R2967C13: got '7440-47-3'
## Warning: Expecting logical in W2967 / R2967C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2967 / R2967C24: got '20'
## Warning: Expecting logical in Y2967 / R2967C25: got 'ug/L'
## Warning: Expecting logical in M2968 / R2968C13: got '7440-22-4'
## Warning: Expecting logical in W2968 / R2968C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2968 / R2968C24: got '10'
## Warning: Expecting logical in Y2968 / R2968C25: got 'ug/L'
```

```
## Warning: Expecting logical in M2969 / R2969C13: got '7440-50-8'
## Warning: Expecting logical in W2969 / R2969C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2969 / R2969C24: got '5'
## Warning: Expecting logical in Y2969 / R2969C25: got 'ug/L'
## Warning: Expecting logical in M2970 / R2970C13: got '7440-28-0'
## Warning: Expecting logical in W2970 / R2970C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2970 / R2970C24: got '200'
## Warning: Expecting logical in Y2970 / R2970C25: got 'ug/L'
## Warning: Expecting logical in M2971 / R2971C13: got '96-12-8'
## Warning: Expecting logical in W2971 / R2971C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2971 / R2971C24: got '0.5'
## Warning: Expecting logical in Y2971 / R2971C25: got 'ug/L'
## Warning: Expecting logical in M2972 / R2972C13: got '75-25-2'
## Warning: Expecting logical in W2972 / R2972C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2972 / R2972C24: got '0.5'
## Warning: Expecting logical in Y2972 / R2972C25: got 'ug/L'
## Warning: Expecting logical in M2973 / R2973C13: got '75-35-4'
## Warning: Expecting logical in W2973 / R2973C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2973 / R2973C24: got '0.5'
## Warning: Expecting logical in Y2973 / R2973C25: got 'ug/L'
## Warning: Expecting logical in M2974 / R2974C13: got '7440-61-1'
## Warning: Expecting logical in M2975 / R2975C13: got '7440-31-5'
## Warning: Expecting logical in W2975 / R2975C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2975 / R2975C24: got '30'
```

```
## Warning: Expecting logical in Y2975 / R2975C25: got 'ug/L'
## Warning: Expecting logical in M2976 / R2976C13: got '104-51-8'
## Warning: Expecting logical in W2976 / R2976C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2976 / R2976C24: got '0.5'
## Warning: Expecting logical in Y2976 / R2976C25: got 'ug/L'
## Warning: Expecting logical in M2977 / R2977C13: got '79-00-5'
## Warning: Expecting logical in W2977 / R2977C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2977 / R2977C24: got '0.5'
## Warning: Expecting logical in Y2977 / R2977C25: got 'ug/L'
## Warning: Expecting logical in M2978 / R2978C13: got '156-59-2'
## Warning: Expecting logical in W2978 / R2978C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2978 / R2978C24: got '0.5'
## Warning: Expecting logical in Y2978 / R2978C25: got 'ug/L'
## Warning: Expecting logical in M2979 / R2979C13: got '100-42-5'
## Warning: Expecting logical in W2979 / R2979C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2979 / R2979C24: got '0.5'
## Warning: Expecting logical in Y2979 / R2979C25: got 'ug/L'
## Warning: Expecting logical in M2980 / R2980C13: got '95-49-8'
## Warning: Expecting logical in W2980 / R2980C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2980 / R2980C24: got '0.5'
## Warning: Expecting logical in Y2980 / R2980C25: got 'ug/L'
## Warning: Expecting logical in M2981 / R2981C13: got '7440-66-6'
## Warning: Expecting logical in W2981 / R2981C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2981 / R2981C24: got '20'
```

```
## Warning: Expecting logical in Y2981 / R2981C25: got 'ug/L'
## Warning: Expecting logical in M2982 / R2982C13: got '7440-43-9'
## Warning: Expecting logical in W2982 / R2982C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2982 / R2982C24: got '0.7'
## Warning: Expecting logical in Y2982 / R2982C25: got 'ug/L'
## Warning: Expecting logical in M2983 / R2983C13: got '7440-41-7'
## Warning: Expecting logical in W2983 / R2983C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2983 / R2983C24: got '10'
## Warning: Expecting logical in Y2983 / R2983C25: got 'ug/L'
## Warning: Expecting logical in M2984 / R2984C13: got '7440-23-5'
## Warning: Expecting logical in M2985 / R2985C13: got '75-09-2'
## Warning: Expecting logical in W2985 / R2985C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2985 / R2985C24: got '0.5'
## Warning: Expecting logical in Y2985 / R2985C25: got 'ug/L'
## Warning: Expecting logical in M2986 / R2986C13: got '10061-02-6'
## Warning: Expecting logical in W2986 / R2986C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2986 / R2986C24: got '0.5'
## Warning: Expecting logical in Y2986 / R2986C25: got 'ug/L'
## Warning: Expecting logical in M2987 / R2987C13: got '1330-20-7'
## Warning: Expecting logical in W2987 / R2987C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2987 / R2987C24: got '0.50'
## Warning: Expecting logical in Y2987 / R2987C25: got 'ug/L'
## Warning: Expecting logical in M2988 / R2988C13: got '7440-36-0'
## Warning: Expecting logical in W2988 / R2988C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X2988 / R2988C24: got '120'
## Warning: Expecting logical in Y2988 / R2988C25: got 'ug/L'
## Warning: Expecting logical in M2989 / R2989C13: got '75-00-3'
## Warning: Expecting logical in W2989 / R2989C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2989 / R2989C24: got '0.5'
## Warning: Expecting logical in Y2989 / R2989C25: got 'ug/L'
## Warning: Expecting logical in M2990 / R2990C13: got '79-01-6'
## Warning: Expecting logical in W2990 / R2990C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2990 / R2990C24: got '0.5'
## Warning: Expecting logical in Y2990 / R2990C25: got 'ug/L'
## Warning: Expecting logical in M2991 / R2991C13: got '124-48-1'
## Warning: Expecting logical in W2991 / R2991C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2991 / R2991C24: got '0.5'
## Warning: Expecting logical in Y2991 / R2991C25: got 'ug/L'
## Warning: Expecting logical in M2992 / R2992C13: got '108-86-1'
## Warning: Expecting logical in W2992 / R2992C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2992 / R2992C24: got '0.5'
## Warning: Expecting logical in Y2992 / R2992C25: got 'ug/L'
## Warning: Expecting logical in M2993 / R2993C13: got '120-82-1'
## Warning: Expecting logical in W2993 / R2993C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2993 / R2993C24: got '0.5'
## Warning: Expecting logical in Y2993 / R2993C25: got 'ug/L'
## Warning: Expecting logical in M2994 / R2994C13: got '7440-38-2'
## Warning: Expecting logical in W2994 / R2994C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X2994 / R2994C24: got '5'
## Warning: Expecting logical in Y2994 / R2994C25: got 'ug/L'
## Warning: Expecting logical in M2995 / R2995C13: got '7439-89-6'
## Warning: Expecting logical in W2995 / R2995C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2995 / R2995C24: got '20'
## Warning: Expecting logical in Y2995 / R2995C25: got 'ug/L'
## Warning: Expecting logical in M2996 / R2996C13: got '7440-28-0'
## Warning: Expecting logical in W2996 / R2996C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2996 / R2996C24: got '1'
## Warning: Expecting logical in Y2996 / R2996C25: got 'ug/L'
## Warning: Expecting logical in M2997 / R2997C13: got '7440-09-7'
## Warning: Expecting logical in W2997 / R2997C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2997 / R2997C24: got '5000'
## Warning: Expecting logical in Y2997 / R2997C25: got 'ug/L'
## Warning: Expecting logical in M2998 / R2998C13: got '75-71-8'
## Warning: Expecting logical in W2998 / R2998C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2998 / R2998C24: got '0.5'
## Warning: Expecting logical in Y2998 / R2998C25: got 'ug/L'
## Warning: Expecting logical in M2999 / R2999C13: got '127-18-4'
## Warning: Expecting logical in W2999 / R2999C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X2999 / R2999C24: got '0.5'
## Warning: Expecting logical in Y2999 / R2999C25: got 'ug/L'
## Warning: Expecting logical in M3000 / R3000C13: got '25735-29-9'
## Warning: Expecting logical in W3000 / R3000C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3000 / R3000C24: got '0.5'
## Warning: Expecting logical in Y3000 / R3000C25: got 'ug/L'
## Warning: Expecting logical in M3001 / R3001C13: got '87-61-6'
## Warning: Expecting logical in W3001 / R3001C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3001 / R3001C24: got '0.5'
## Warning: Expecting logical in Y3001 / R3001C25: got 'ug/L'
## Warning: Expecting logical in M3002 / R3002C13: got '7440-50-8'
## Warning: Expecting logical in W3002 / R3002C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3002 / R3002C24: got '20'
## Warning: Expecting logical in Y3002 / R3002C25: got 'ug/L'
## Warning: Expecting logical in M3003 / R3003C13: got '7440-32-6'
## Warning: Expecting logical in W3003 / R3003C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3003 / R3003C24: got '10'
## Warning: Expecting logical in Y3003 / R3003C25: got 'ug/L'
## Warning: Expecting logical in M3004 / R3004C13: got '7782-49-2'
## Warning: Expecting logical in W3004 / R3004C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3004 / R3004C24: got '5'
## Warning: Expecting logical in Y3004 / R3004C25: got 'ug/L'
## Warning: Expecting logical in M3005 / R3005C13: got '7439-95-4'
## Warning: Expecting logical in M3006 / R3006C13: got '14808-79-8'
## Warning: Expecting logical in M3007 / R3007C13: got '7723-14-0'
## Warning: Expecting logical in R3007 / R3007C18: got 'as P'
## Warning: Expecting logical in M3008 / R3008C13: got '7440-43-9'
## Warning: Expecting logical in W3008 / R3008C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X3008 / R3008C24: got '10'
## Warning: Expecting logical in Y3008 / R3008C25: got 'ug/L'
## Warning: Expecting logical in M3009 / R3009C13: got '95-50-1'
## Warning: Expecting logical in W3009 / R3009C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3009 / R3009C24: got '0.5'
## Warning: Expecting logical in Y3009 / R3009C25: got 'ug/L'
## Warning: Expecting logical in M3010 / R3010C13: got '135-98-8'
## Warning: Expecting logical in W3010 / R3010C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3010 / R3010C24: got '0.5'
## Warning: Expecting logical in Y3010 / R3010C25: got 'ug/L'
## Warning: Expecting logical in M3011 / R3011C13: got '630-20-6'
## Warning: Expecting logical in W3011 / R3011C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3011 / R3011C24: got '0.5'
## Warning: Expecting logical in Y3011 / R3011C25: got 'ug/L'
## Warning: Expecting logical in M3012 / R3012C13: got '75-27-4'
## Warning: Expecting logical in W3012 / R3012C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3012 / R3012C24: got '0.5'
## Warning: Expecting logical in Y3012 / R3012C25: got 'ug/L'
## Warning: Expecting logical in M3013 / R3013C13: got '563-58-6'
## Warning: Expecting logical in W3013 / R3013C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3013 / R3013C24: got '0.5'
## Warning: Expecting logical in Y3013 / R3013C25: got 'ug/L'
## Warning: Expecting logical in M3014 / R3014C13: got '7429-90-5'
## Warning: Expecting logical in W3014 / R3014C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3014 / R3014C24: got '50'
## Warning: Expecting logical in Y3014 / R3014C25: got 'ug/L'
## Warning: Expecting logical in M3015 / R3015C13: got '106-93-4'
## Warning: Expecting logical in W3015 / R3015C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3015 / R3015C24: got '0.5'
## Warning: Expecting logical in Y3015 / R3015C25: got 'ug/L'
## Warning: Expecting logical in M3016 / R3016C13: got '7439-96-5'
## Warning: Expecting logical in W3016 / R3016C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3016 / R3016C24: got '10'
## Warning: Expecting logical in Y3016 / R3016C25: got 'ug/L'
## Warning: Expecting logical in M3017 / R3017C13: got '7440-70-2'
## Warning: Expecting logical in M3018 / R3018C13: got '16984-48-8'
## Warning: Expecting logical in M3019 / R3019C13: got '75-01-4'
## Warning: Expecting logical in W3019 / R3019C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3019 / R3019C24: got '0.5'
## Warning: Expecting logical in Y3019 / R3019C25: got 'ug/L'
## Warning: Expecting logical in M3020 / R3020C13: got '71-55-6'
## Warning: Expecting logical in W3020 / R3020C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3020 / R3020C24: got '0.5'
## Warning: Expecting logical in Y3020 / R3020C25: got 'ug/L'
## Warning: Expecting logical in M3021 / R3021C13: got '74-95-3'
## Warning: Expecting logical in W3021 / R3021C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3021 / R3021C24: got '0.5'
## Warning: Expecting logical in Y3021 / R3021C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3022 / R3022C13: got '108-90-7'
## Warning: Expecting logical in W3022 / R3022C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3022 / R3022C24: got '0.5'
## Warning: Expecting logical in Y3022 / R3022C25: got 'ug/L'
## Warning: Expecting logical in M3023 / R3023C13: got '99-87-6'
## Warning: Expecting logical in W3023 / R3023C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3023 / R3023C24: got '0.5'
## Warning: Expecting logical in Y3023 / R3023C25: got 'ug/L'
## Warning: Expecting logical in M3024 / R3024C13: got '7440-39-3'
## Warning: Expecting logical in W3024 / R3024C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3024 / R3024C24: got '10'
## Warning: Expecting logical in Y3024 / R3024C25: got 'ug/L'
## Warning: Expecting logical in M3025 / R3025C13: got '7440-36-0'
## Warning: Expecting logical in W3025 / R3025C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3025 / R3025C24: got '5'
## Warning: Expecting logical in Y3025 / R3025C25: got 'ug/L'
## Warning: Expecting logical in M3026 / R3026C13: got '7440-22-4'
## Warning: Expecting logical in W3026 / R3026C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3026 / R3026C24: got '5'
## Warning: Expecting logical in Y3026 / R3026C25: got 'ug/L'
## Warning: Expecting logical in M3027 / R3027C13: got '594-20-7'
## Warning: Expecting logical in W3027 / R3027C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3027 / R3027C24: got '0.5'
## Warning: Expecting logical in Y3027 / R3027C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3028 / R3028C13: got '75-69-4'
## Warning: Expecting logical in W3028 / R3028C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3028 / R3028C24: got '0.5'
## Warning: Expecting logical in Y3028 / R3028C25: got 'ug/L'
## Warning: Expecting logical in M3029 / R3029C13: got '7440-66-6'
## Warning: Expecting logical in W3029 / R3029C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3029 / R3029C24: got '10'
## Warning: Expecting logical in Y3029 / R3029C25: got 'ug/L'
## Warning: Expecting logical in M3030 / R3030C13: got '7440-02-0'
## Warning: Expecting logical in W3030 / R3030C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3030 / R3030C24: got '10'
## Warning: Expecting logical in Y3030 / R3030C25: got 'ug/L'
## Warning: Expecting logical in M3031 / R3031C13: got '7440-62-2'
## Warning: Expecting logical in W3031 / R3031C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3031 / R3031C24: got '10'
## Warning: Expecting logical in Y3031 / R3031C25: got 'ug/L'
## Warning: Expecting logical in M3032 / R3032C13: got '7429-90-5'
## Warning: Expecting logical in W3032 / R3032C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3032 / R3032C24: got '100'
## Warning: Expecting logical in Y3032 / R3032C25: got 'ug/L'
## Warning: Expecting logical in M3033 / R3033C13: got '7782-49-2'
## Warning: Expecting logical in W3033 / R3033C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3033 / R3033C24: got '190'
## Warning: Expecting logical in Y3033 / R3033C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3034 / R3034C13: got '75-34-3'
## Warning: Expecting logical in W3034 / R3034C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3034 / R3034C24: got '0.5'
## Warning: Expecting logical in Y3034 / R3034C25: got 'ug/L'
## Warning: Expecting logical in M3035 / R3035C13: got '107-06-2'
## Warning: Expecting logical in W3035 / R3035C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3035 / R3035C24: got '0.5'
## Warning: Expecting logical in Y3035 / R3035C25: got 'ug/L'
## Warning: Expecting logical in M3036 / R3036C13: got '108-67-8'
## Warning: Expecting logical in W3036 / R3036C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3036 / R3036C24: got '0.5'
## Warning: Expecting logical in Y3036 / R3036C25: got 'ug/L'
## Warning: Expecting logical in M3037 / R3037C13: got '91-20-3'
## Warning: Expecting logical in W3037 / R3037C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3037 / R3037C24: got '0.5'
## Warning: Expecting logical in Y3037 / R3037C25: got 'ug/L'
## Warning: Expecting logical in M3038 / R3038C13: got '7439-92-1'
## Warning: Expecting logical in W3038 / R3038C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3038 / R3038C24: got '90'
## Warning: Expecting logical in Y3038 / R3038C25: got 'ug/L'
## Warning: Expecting logical in M3039 / R3039C13: got '1634-04-4'
## Warning: Expecting logical in W3039 / R3039C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3039 / R3039C24: got '0.5'
## Warning: Expecting logical in Y3039 / R3039C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3040 / R3040C13: got '71-43-2'
## Warning: Expecting logical in W3040 / R3040C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3040 / R3040C24: got '0.5'
## Warning: Expecting logical in Y3040 / R3040C25: got 'ug/L'
## Warning: Expecting logical in M3041 / R3041C13: got '541-73-1'
## Warning: Expecting logical in W3041 / R3041C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3041 / R3041C24: got '0.5'
## Warning: Expecting logical in Y3041 / R3041C25: got 'ug/L'
## Warning: Expecting logical in M3042 / R3042C13: got '7440-48-4'
## Warning: Expecting logical in W3042 / R3042C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3042 / R3042C24: got '10'
## Warning: Expecting logical in Y3042 / R3042C25: got 'ug/L'
## Warning: Expecting logical in M3043 / R3043C13: got '7440-02-0'
## Warning: Expecting logical in W3043 / R3043C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3043 / R3043C24: got '20'
## Warning: Expecting logical in Y3043 / R3043C25: got 'ug/L'
## Warning: Expecting logical in M3044 / R3044C13: got '74-97-5'
## Warning: Expecting logical in W3044 / R3044C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3044 / R3044C24: got '0.5'
## Warning: Expecting logical in Y3044 / R3044C25: got 'ug/L'
## Warning: Expecting logical in M3045 / R3045C13: got '98-82-8'
## Warning: Expecting logical in W3045 / R3045C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3045 / R3045C24: got '0.5'
## Warning: Expecting logical in Y3045 / R3045C25: got 'ug/L'
```

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## Warning: Expecting logical in M3046 / R3046C13: got '7440-39-3'
## Warning: Expecting logical in M3047 / R3047C13: got '87-68-3'
## Warning: Expecting logical in W3047 / R3047C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3047 / R3047C24: got '0.5'
## Warning: Expecting logical in Y3047 / R3047C25: got 'ug/L'
## Warning: Expecting logical in M3048 / R3048C13: got '98-06-6'
## Warning: Expecting logical in W3048 / R3048C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3048 / R3048C24: got '0.5'
## Warning: Expecting logical in Y3048 / R3048C25: got 'ug/L'
## Warning: Expecting logical in M3049 / R3049C13: got '106-43-4'
## Warning: Expecting logical in W3049 / R3049C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3049 / R3049C24: got '0.5'
## Warning: Expecting logical in Y3049 / R3049C25: got 'ug/L'
## Warning: Expecting logical in M3050 / R3050C13: got '75-35-4'
## Warning: Expecting logical in W3050 / R3050C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3050 / R3050C24: got '0.5'
## Warning: Expecting logical in Y3050 / R3050C25: got 'ug/L'
## Warning: Expecting logical in M3051 / R3051C13: got '7440-09-7'
## Warning: Expecting logical in W3051 / R3051C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3051 / R3051C24: got '5000'
## Warning: Expecting logical in Y3051 / R3051C25: got 'ug/L'
## Warning: Expecting logical in M3052 / R3052C13: got '16984-48-8'
## Warning: Expecting logical in W3052 / R3052C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3052 / R3052C24: got '0.20'
```

```
## Warning: Expecting logical in Y3052 / R3052C25: got 'mg/L'
## Warning: Expecting logical in M3053 / R3053C13: got '7440-28-0'
## Warning: Expecting logical in W3053 / R3053C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3053 / R3053C24: got '200'
## Warning: Expecting logical in Y3053 / R3053C25: got 'ug/L'
## Warning: Expecting logical in M3054 / R3054C13: got '108-67-8'
## Warning: Expecting logical in W3054 / R3054C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3054 / R3054C24: got '0.5'
## Warning: Expecting logical in Y3054 / R3054C25: got 'ug/L'
## Warning: Expecting logical in M3055 / R3055C13: got '100-41-4'
## Warning: Expecting logical in W3055 / R3055C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3055 / R3055C24: got '0.5'
## Warning: Expecting logical in Y3055 / R3055C25: got 'ug/L'
## Warning: Expecting logical in M3056 / R3056C13: got '107-06-2'
## Warning: Expecting logical in W3056 / R3056C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3056 / R3056C24: got '0.5'
## Warning: Expecting logical in Y3056 / R3056C25: got 'ug/L'
## Warning: Expecting logical in M3057 / R3057C13: got '67-66-3'
## Warning: Expecting logical in W3057 / R3057C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3057 / R3057C24: got '0.5'
## Warning: Expecting logical in Y3057 / R3057C25: got 'ug/L'
## Warning: Expecting logical in M3058 / R3058C13: got '7440-23-5'
## Warning: Expecting logical in M3059 / R3059C13: got '7440-50-8'
## Warning: Expecting logical in W3059 / R3059C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3059 / R3059C24: got '5'
## Warning: Expecting logical in Y3059 / R3059C25: got 'ug/L'
## Warning: Expecting logical in M3060 / R3060C13: got '7440-39-3'
## Warning: Expecting logical in M3061 / R3061C13: got '95-63-6'
## Warning: Expecting logical in W3061 / R3061C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3061 / R3061C24: got '0.5'
## Warning: Expecting logical in Y3061 / R3061C25: got 'ug/L'
## Warning: Expecting logical in M3062 / R3062C13: got '98-06-6'
## Warning: Expecting logical in W3062 / R3062C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3062 / R3062C24: got '0.5'
## Warning: Expecting logical in Y3062 / R3062C25: got 'ug/L'
## Warning: Expecting logical in M3063 / R3063C13: got '594-20-7'
## Warning: Expecting logical in W3063 / R3063C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3063 / R3063C24: got '0.5'
## Warning: Expecting logical in Y3063 / R3063C25: got 'ug/L'
## Warning: Expecting logical in M3064 / R3064C13: got '75-25-2'
## Warning: Expecting logical in W3064 / R3064C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3064 / R3064C24: got '0.5'
## Warning: Expecting logical in Y3064 / R3064C25: got 'ug/L'
## Warning: Expecting logical in M3065 / R3065C13: got '142-28-9'
## Warning: Expecting logical in W3065 / R3065C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3065 / R3065C24: got '0.5'
## Warning: Expecting logical in Y3065 / R3065C25: got 'ug/L'
## Warning: Expecting logical in M3066 / R3066C13: got '78-87-5'
```

```
## Warning: Expecting logical in W3066 / R3066C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3066 / R3066C24: got '0.5'
## Warning: Expecting logical in Y3066 / R3066C25: got 'ug/L'
## Warning: Expecting logical in M3067 / R3067C13: got '100-42-5'
## Warning: Expecting logical in W3067 / R3067C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3067 / R3067C24: got '0.5'
## Warning: Expecting logical in Y3067 / R3067C25: got 'ug/L'
## Warning: Expecting logical in M3068 / R3068C13: got '96-12-8'
## Warning: Expecting logical in W3068 / R3068C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3068 / R3068C24: got '0.5'
## Warning: Expecting logical in Y3068 / R3068C25: got 'ug/L'
## Warning: Expecting logical in M3069 / R3069C13: got '7440-22-4'
## Warning: Expecting logical in W3069 / R3069C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3069 / R3069C24: got '10'
## Warning: Expecting logical in Y3069 / R3069C25: got 'ug/L'
## Warning: Expecting logical in M3070 / R3070C13: got '7440-36-0'
## Warning: Expecting logical in W3070 / R3070C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3070 / R3070C24: got '5'
## Warning: Expecting logical in Y3070 / R3070C25: got 'ug/L'
## Warning: Expecting logical in M3071 / R3071C13: got '156-59-2'
## Warning: Expecting logical in W3071 / R3071C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3071 / R3071C24: got '0.5'
## Warning: Expecting logical in Y3071 / R3071C25: got 'ug/L'
## Warning: Expecting logical in R3072 / R3072C18: got 'as N'
```

```
## Warning: Expecting logical in M3073 / R3073C13: got '106-43-4'
## Warning: Expecting logical in W3073 / R3073C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3073 / R3073C24: got '0.5'
## Warning: Expecting logical in Y3073 / R3073C25: got 'ug/L'
## Warning: Expecting logical in M3074 / R3074C13: got '79-01-6'
## Warning: Expecting logical in W3074 / R3074C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3074 / R3074C24: got '0.5'
## Warning: Expecting logical in Y3074 / R3074C25: got 'ug/L'
## Warning: Expecting logical in M3075 / R3075C13: got '75-00-3'
## Warning: Expecting logical in W3075 / R3075C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3075 / R3075C24: got '0.5'
## Warning: Expecting logical in Y3075 / R3075C25: got 'ug/L'
## Warning: Expecting logical in M3076 / R3076C13: got '74-83-9'
## Warning: Expecting logical in W3076 / R3076C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3076 / R3076C24: got '0.5'
## Warning: Expecting logical in Y3076 / R3076C25: got 'ug/L'
## Warning: Expecting logical in M3077 / R3077C13: got '7439-92-1'
## Warning: Expecting logical in W3077 / R3077C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3077 / R3077C24: got '1'
## Warning: Expecting logical in Y3077 / R3077C25: got 'ug/L'
## Warning: Expecting logical in M3078 / R3078C13: got '7439-89-6'
## Warning: Expecting logical in W3078 / R3078C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3078 / R3078C24: got '20'
## Warning: Expecting logical in Y3078 / R3078C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3079 / R3079C13: got '74-87-3'
## Warning: Expecting logical in W3079 / R3079C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3079 / R3079C24: got '0.5'
## Warning: Expecting logical in Y3079 / R3079C25: got 'ug/L'
## Warning: Expecting logical in M3080 / R3080C13: got '75-34-3'
## Warning: Expecting logical in W3080 / R3080C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3080 / R3080C24: got '0.5'
## Warning: Expecting logical in Y3080 / R3080C25: got 'ug/L'
## Warning: Expecting logical in M3081 / R3081C13: got '124-48-1'
## Warning: Expecting logical in W3081 / R3081C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3081 / R3081C24: got '0.5'
## Warning: Expecting logical in Y3081 / R3081C25: got 'ug/L'
## Warning: Expecting logical in M3082 / R3082C13: got '7440-43-9'
## Warning: Expecting logical in W3082 / R3082C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3082 / R3082C24: got '10'
## Warning: Expecting logical in Y3082 / R3082C25: got 'ug/L'
## Warning: Expecting logical in M3083 / R3083C13: got '7429-90-5'
## Warning: Expecting logical in W3083 / R3083C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3083 / R3083C24: got '50'
## Warning: Expecting logical in Y3083 / R3083C25: got 'ug/L'
## Warning: Expecting logical in M3084 / R3084C13: got '7440-28-0'
## Warning: Expecting logical in W3084 / R3084C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3084 / R3084C24: got '1'
## Warning: Expecting logical in Y3084 / R3084C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3085 / R3085C13: got '71-55-6'
## Warning: Expecting logical in W3085 / R3085C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3085 / R3085C24: got '0.5'
## Warning: Expecting logical in Y3085 / R3085C25: got 'ug/L'
## Warning: Expecting logical in M3086 / R3086C13: got '10061-01-5'
## Warning: Expecting logical in W3086 / R3086C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3086 / R3086C24: got '0.5'
## Warning: Expecting logical in Y3086 / R3086C25: got 'ug/L'
## Warning: Expecting logical in M3087 / R3087C13: got '7440-32-6'
## Warning: Expecting logical in W3087 / R3087C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3087 / R3087C24: got '10'
## Warning: Expecting logical in Y3087 / R3087C25: got 'ug/L'
## Warning: Expecting logical in M3088 / R3088C13: got '7429-90-5'
## Warning: Expecting logical in W3088 / R3088C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3088 / R3088C24: got '100'
## Warning: Expecting logical in Y3088 / R3088C25: got 'ug/L'
## Warning: Expecting logical in M3089 / R3089C13: got '7440-36-0'
## Warning: Expecting logical in W3089 / R3089C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3089 / R3089C24: got '120'
## Warning: Expecting logical in Y3089 / R3089C25: got 'ug/L'
## Warning: Expecting logical in M3090 / R3090C13: got '95-50-1'
## Warning: Expecting logical in W3090 / R3090C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3090 / R3090C24: got '0.5'
## Warning: Expecting logical in Y3090 / R3090C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3091 / R3091C13: got '95-49-8'
## Warning: Expecting logical in W3091 / R3091C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3091 / R3091C24: got '0.5'
## Warning: Expecting logical in Y3091 / R3091C25: got 'ug/L'
## Warning: Expecting logical in M3092 / R3092C13: got '127-18-4'
## Warning: Expecting logical in W3092 / R3092C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3092 / R3092C24: got '0.5'
## Warning: Expecting logical in Y3092 / R3092C25: got 'ug/L'
## Warning: Expecting logical in M3093 / R3093C13: got '75-27-4'
## Warning: Expecting logical in W3093 / R3093C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3093 / R3093C24: got '0.5'
## Warning: Expecting logical in Y3093 / R3093C25: got 'ug/L'
## Warning: Expecting logical in M3094 / R3094C13: got '74-97-5'
## Warning: Expecting logical in W3094 / R3094C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3094 / R3094C24: got '0.5'
## Warning: Expecting logical in Y3094 / R3094C25: got 'ug/L'
## Warning: Expecting logical in M3095 / R3095C13: got '106-93-4'
## Warning: Expecting logical in W3095 / R3095C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3095 / R3095C24: got '0.5'
## Warning: Expecting logical in Y3095 / R3095C25: got 'ug/L'
## Warning: Expecting logical in M3096 / R3096C13: got '541-73-1'
## Warning: Expecting logical in W3096 / R3096C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3096 / R3096C24: got '0.5'
## Warning: Expecting logical in Y3096 / R3096C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3097 / R3097C13: got '106-46-7'
## Warning: Expecting logical in W3097 / R3097C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3097 / R3097C24: got '0.5'
## Warning: Expecting logical in Y3097 / R3097C25: got 'ug/L'
## Warning: Expecting logical in M3098 / R3098C13: got '87-61-6'
## Warning: Expecting logical in W3098 / R3098C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3098 / R3098C24: got '0.5'
## Warning: Expecting logical in Y3098 / R3098C25: got 'ug/L'
## Warning: Expecting logical in M3099 / R3099C13: got '7782-49-2'
## Warning: Expecting logical in W3099 / R3099C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3099 / R3099C24: got '190'
## Warning: Expecting logical in Y3099 / R3099C25: got 'ug/L'
## Warning: Expecting logical in M3100 / R3100C13: got '7440-43-9'
## Warning: Expecting logical in W3100 / R3100C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3100 / R3100C24: got '0.7'
## Warning: Expecting logical in Y3100 / R3100C25: got 'ug/L'
## Warning: Expecting logical in M3101 / R3101C13: got '108-88-3'
## Warning: Expecting logical in W3101 / R3101C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3101 / R3101C24: got '0.5'
## Warning: Expecting logical in Y3101 / R3101C25: got 'ug/L'
## Warning: Expecting logical in M3102 / R3102C13: got '108-90-7'
## Warning: Expecting logical in W3102 / R3102C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3102 / R3102C24: got '0.5'
## Warning: Expecting logical in Y3102 / R3102C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3103 / R3103C13: got '103-65-1'
## Warning: Expecting logical in W3103 / R3103C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3103 / R3103C24: got '0.5'
## Warning: Expecting logical in Y3103 / R3103C25: got 'ug/L'
## Warning: Expecting logical in M3104 / R3104C13: got '91-20-3'
## Warning: Expecting logical in W3104 / R3104C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3104 / R3104C24: got '0.5'
## Warning: Expecting logical in Y3104 / R3104C25: got 'ug/L'
## Warning: Expecting logical in M3105 / R3105C13: got '7439-92-1'
## Warning: Expecting logical in W3105 / R3105C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3105 / R3105C24: got '90'
## Warning: Expecting logical in Y3105 / R3105C25: got 'ug/L'
## Warning: Expecting logical in M3106 / R3106C13: got '7439-98-7'
## Warning: Expecting logical in W3106 / R3106C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3106 / R3106C24: got '5'
## Warning: Expecting logical in Y3106 / R3106C25: got 'ug/L'
## Warning: Expecting logical in M3107 / R3107C13: got '7440-02-0'
## Warning: Expecting logical in W3107 / R3107C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3107 / R3107C24: got '10'
## Warning: Expecting logical in Y3107 / R3107C25: got 'ug/L'
## Warning: Expecting logical in M3108 / R3108C13: got '7440-31-5'
## Warning: Expecting logical in W3108 / R3108C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3108 / R3108C24: got '30'
## Warning: Expecting logical in Y3108 / R3108C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3109 / R3109C13: got '7439-96-5'
## Warning: Expecting logical in W3109 / R3109C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3109 / R3109C24: got '10'
## Warning: Expecting logical in Y3109 / R3109C25: got 'ug/L'
## Warning: Expecting logical in M3110 / R3110C13: got '1634-04-4'
## Warning: Expecting logical in W3110 / R3110C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3110 / R3110C24: got '0.5'
## Warning: Expecting logical in Y3110 / R3110C25: got 'ug/L'
## Warning: Expecting logical in M3111 / R3111C13: got '104-51-8'
## Warning: Expecting logical in W3111 / R3111C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3111 / R3111C24: got '0.5'
## Warning: Expecting logical in Y3111 / R3111C25: got 'ug/L'
## Warning: Expecting logical in M3112 / R3112C13: got '79-00-5'
## Warning: Expecting logical in W3112 / R3112C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3112 / R3112C24: got '0.5'
## Warning: Expecting logical in Y3112 / R3112C25: got 'ug/L'
## Warning: Expecting logical in M3113 / R3113C13: got '75-01-4'
## Warning: Expecting logical in W3113 / R3113C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3113 / R3113C24: got '0.5'
## Warning: Expecting logical in Y3113 / R3113C25: got 'ug/L'
## Warning: Expecting logical in M3114 / R3114C13: got '7440-22-4'
## Warning: Expecting logical in W3114 / R3114C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3114 / R3114C24: got '5'
## Warning: Expecting logical in Y3114 / R3114C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3115 / R3115C13: got '7440-48-4'
## Warning: Expecting logical in W3115 / R3115C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3115 / R3115C24: got '10'
## Warning: Expecting logical in Y3115 / R3115C25: got 'ug/L'
## Warning: Expecting logical in M3116 / R3116C13: got '7440-38-2'
## Warning: Expecting logical in W3116 / R3116C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3116 / R3116C24: got '80'
## Warning: Expecting logical in Y3116 / R3116C25: got 'ug/L'
## Warning: Expecting logical in M3117 / R3117C13: got '87-68-3'
## Warning: Expecting logical in W3117 / R3117C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3117 / R3117C24: got '0.5'
## Warning: Expecting logical in Y3117 / R3117C25: got 'ug/L'
## Warning: Expecting logical in M3118 / R3118C13: got '79-34-5'
## Warning: Expecting logical in W3118 / R3118C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3118 / R3118C24: got '0.5'
## Warning: Expecting logical in Y3118 / R3118C25: got 'ug/L'
## Warning: Expecting logical in M3119 / R3119C13: got '74-95-3'
## Warning: Expecting logical in W3119 / R3119C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3119 / R3119C24: got '0.5'
## Warning: Expecting logical in Y3119 / R3119C25: got 'ug/L'
## Warning: Expecting logical in M3120 / R3120C13: got '156-60-5'
## Warning: Expecting logical in W3120 / R3120C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3120 / R3120C24: got '0.5'
## Warning: Expecting logical in Y3120 / R3120C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3121 / R3121C13: got '56-23-5'
## Warning: Expecting logical in W3121 / R3121C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3121 / R3121C24: got '0.5'
## Warning: Expecting logical in Y3121 / R3121C25: got 'ug/L'
## Warning: Expecting logical in M3122 / R3122C13: got '99-87-6'
## Warning: Expecting logical in W3122 / R3122C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3122 / R3122C24: got '0.5'
## Warning: Expecting logical in Y3122 / R3122C25: got 'ug/L'
## Warning: Expecting logical in M3123 / R3123C13: got '7440-47-3'
## Warning: Expecting logical in W3123 / R3123C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3123 / R3123C24: got '20'
## Warning: Expecting logical in Y3123 / R3123C25: got 'ug/L'
## Warning: Expecting logical in M3124 / R3124C13: got '7440-39-3'
## Warning: Expecting logical in M3125 / R3125C13: got '7439-95-4'
## Warning: Expecting logical in M3126 / R3126C13: got '7440-66-6'
## Warning: Expecting logical in W3126 / R3126C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3126 / R3126C24: got '10'
## Warning: Expecting logical in Y3126 / R3126C25: got 'ug/L'
## Warning: Expecting logical in M3127 / R3127C13: got '14808-79-8'
## Warning: Expecting logical in W3127 / R3127C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3127 / R3127C24: got '10'
## Warning: Expecting logical in Y3127 / R3127C25: got 'mg/L'
## Warning: Expecting logical in M3128 / R3128C13: got '1330-20-7'
## Warning: Expecting logical in W3128 / R3128C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3128 / R3128C24: got '0.50'
## Warning: Expecting logical in Y3128 / R3128C25: got 'ug/L'
## Warning: Expecting logical in M3129 / R3129C13: got '71-43-2'
## Warning: Expecting logical in W3129 / R3129C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3129 / R3129C24: got '0.5'
## Warning: Expecting logical in Y3129 / R3129C25: got 'ug/L'
## Warning: Expecting logical in M3130 / R3130C13: got '75-71-8'
## Warning: Expecting logical in W3130 / R3130C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3130 / R3130C24: got '0.5'
## Warning: Expecting logical in Y3130 / R3130C25: got 'ug/L'
## Warning: Expecting logical in M3131 / R3131C13: got '75-69-4'
## Warning: Expecting logical in W3131 / R3131C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3131 / R3131C24: got '0.5'
## Warning: Expecting logical in Y3131 / R3131C25: got 'ug/L'
## Warning: Expecting logical in M3132 / R3132C13: got '98-82-8'
## Warning: Expecting logical in W3132 / R3132C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3132 / R3132C24: got '0.5'
## Warning: Expecting logical in Y3132 / R3132C25: got 'ug/L'
## Warning: Expecting logical in M3133 / R3133C13: got '108-86-1'
## Warning: Expecting logical in W3133 / R3133C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3133 / R3133C24: got '0.5'
## Warning: Expecting logical in Y3133 / R3133C25: got 'ug/L'
## Warning: Expecting logical in M3134 / R3134C13: got '120-82-1'
## Warning: Expecting logical in W3134 / R3134C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3134 / R3134C24: got '0.5'
## Warning: Expecting logical in Y3134 / R3134C25: got 'ug/L'
## Warning: Expecting logical in M3135 / R3135C13: got '7440-50-8'
## Warning: Expecting logical in W3135 / R3135C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3135 / R3135C24: got '20'
## Warning: Expecting logical in Y3135 / R3135C25: got 'ug/L'
## Warning: Expecting logical in M3136 / R3136C13: got '7440-66-6'
## Warning: Expecting logical in W3136 / R3136C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3136 / R3136C24: got '20'
## Warning: Expecting logical in Y3136 / R3136C25: got 'ug/L'
## Warning: Expecting logical in M3137 / R3137C13: got '7440-47-3'
## Warning: Expecting logical in W3137 / R3137C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3137 / R3137C24: got '5'
## Warning: Expecting logical in Y3137 / R3137C25: got 'ug/L'
## Warning: Expecting logical in M3138 / R3138C13: got '7782-49-2'
## Warning: Expecting logical in W3138 / R3138C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3138 / R3138C24: got '5'
## Warning: Expecting logical in Y3138 / R3138C25: got 'ug/L'
## Warning: Expecting logical in M3139 / R3139C13: got '7440-62-2'
## Warning: Expecting logical in W3139 / R3139C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3139 / R3139C24: got '10'
## Warning: Expecting logical in Y3139 / R3139C25: got 'ug/L'
## Warning: Expecting logical in M3140 / R3140C13: got '75-09-2'
## Warning: Expecting logical in W3140 / R3140C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3140 / R3140C24: got '0.5'
## Warning: Expecting logical in Y3140 / R3140C25: got 'ug/L'
## Warning: Expecting logical in M3141 / R3141C13: got '135-98-8'
## Warning: Expecting logical in W3141 / R3141C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3141 / R3141C24: got '0.5'
## Warning: Expecting logical in Y3141 / R3141C25: got 'ug/L'
## Warning: Expecting logical in M3142 / R3142C13: got '7723-14-0'
## Warning: Expecting logical in R3142 / R3142C18: got 'as P'
## Warning: Expecting logical in M3143 / R3143C13: got '7440-38-2'
## Warning: Expecting logical in W3143 / R3143C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3143 / R3143C24: got '5'
## Warning: Expecting logical in Y3143 / R3143C25: got 'ug/L'
## Warning: Expecting logical in M3144 / R3144C13: got '7440-41-7'
## Warning: Expecting logical in W3144 / R3144C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3144 / R3144C24: got '10'
## Warning: Expecting logical in Y3144 / R3144C25: got 'ug/L'
## Warning: Expecting logical in M3145 / R3145C13: got '7440-61-1'
## Warning: Expecting logical in W3145 / R3145C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3145 / R3145C24: got '1'
## Warning: Expecting logical in Y3145 / R3145C25: got 'ug/L'
## Warning: Expecting logical in M3146 / R3146C13: got '7440-70-2'
## Warning: Expecting logical in M3147 / R3147C13: got '7440-02-0'
## Warning: Expecting logical in W3147 / R3147C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3147 / R3147C24: got '20'
```

```
## Warning: Expecting logical in Y3147 / R3147C25: got 'ug/L'
## Warning: Expecting logical in M3148 / R3148C13: got '630-20-6'
## Warning: Expecting logical in W3148 / R3148C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3148 / R3148C24: got '0.5'
## Warning: Expecting logical in Y3148 / R3148C25: got 'ug/L'
## Warning: Expecting logical in M3149 / R3149C13: got '563-58-6'
## Warning: Expecting logical in W3149 / R3149C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3149 / R3149C24: got '0.5'
## Warning: Expecting logical in Y3149 / R3149C25: got 'ug/L'
## Warning: Expecting logical in M3150 / R3150C13: got '10061-02-6'
## Warning: Expecting logical in W3150 / R3150C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3150 / R3150C24: got '0.5'
## Warning: Expecting logical in Y3150 / R3150C25: got 'ug/L'
## Warning: Expecting logical in M3151 / R3151C13: got '25735-29-9'
## Warning: Expecting logical in W3151 / R3151C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3151 / R3151C24: got '0.5'
## Warning: Expecting logical in Y3151 / R3151C25: got 'ug/L'
## Warning: Expecting logical in M3152 / R3152C13: got '16887-00-6'
## Warning: Expecting logical in W3152 / R3152C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3152 / R3152C24: got '10'
## Warning: Expecting logical in Y3152 / R3152C25: got 'mg/L'
## Warning: Expecting logical in M3153 / R3153C13: got '7440-48-4'
## Warning: Expecting logical in W3153 / R3153C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3153 / R3153C24: got '10'
```

```
## Warning: Expecting logical in Y3153 / R3153C25: got 'ug/L'
## Warning: Expecting logical in M3154 / R3154C13: got '16887-00-6'
## Warning: Expecting logical in W3154 / R3154C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3154 / R3154C24: got '10'
## Warning: Expecting logical in Y3154 / R3154C25: got 'mg/L'
## Warning: Expecting logical in M3155 / R3155C13: got '106-46-7'
## Warning: Expecting logical in W3155 / R3155C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3155 / R3155C24: got '0.5'
## Warning: Expecting logical in Y3155 / R3155C25: got 'ug/L'
## Warning: Expecting logical in M3156 / R3156C13: got '7439-96-5'
## Warning: Expecting logical in M3157 / R3157C13: got '7440-43-9'
## Warning: Expecting logical in W3157 / R3157C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3157 / R3157C24: got '0.7'
## Warning: Expecting logical in Y3157 / R3157C25: got 'ug/L'
## Warning: Expecting logical in M3158 / R3158C13: got '16984-48-8'
## Warning: Expecting logical in W3158 / R3158C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3158 / R3158C24: got '0.20'
## Warning: Expecting logical in Y3158 / R3158C25: got 'mg/L'
## Warning: Expecting logical in M3159 / R3159C13: got '7723-14-0'
## Warning: Expecting logical in R3159 / R3159C18: got 'as P'
## Warning: Expecting logical in W3159 / R3159C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3159 / R3159C24: got '0.02'
## Warning: Expecting logical in Y3159 / R3159C25: got 'mg/L'
## Warning: Expecting logical in M3160 / R3160C13: got '98-06-6'
```

```
## Warning: Expecting logical in W3160 / R3160C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3160 / R3160C24: got '0.5'
## Warning: Expecting logical in Y3160 / R3160C25: got 'ug/L'
## Warning: Expecting logical in M3161 / R3161C13: got '10061-02-6'
## Warning: Expecting logical in W3161 / R3161C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3161 / R3161C24: got '0.5'
## Warning: Expecting logical in Y3161 / R3161C25: got 'ug/L'
## Warning: Expecting logical in M3162 / R3162C13: got '78-87-5'
## Warning: Expecting logical in W3162 / R3162C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3162 / R3162C24: got '0.5'
## Warning: Expecting logical in Y3162 / R3162C25: got 'ug/L'
## Warning: Expecting logical in M3163 / R3163C13: got '107-06-2'
## Warning: Expecting logical in W3163 / R3163C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3163 / R3163C24: got '0.5'
## Warning: Expecting logical in Y3163 / R3163C25: got 'ug/L'
## Warning: Expecting logical in M3164 / R3164C13: got '87-61-6'
## Warning: Expecting logical in W3164 / R3164C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3164 / R3164C24: got '0.5'
## Warning: Expecting logical in Y3164 / R3164C25: got 'ug/L'
## Warning: Expecting logical in M3165 / R3165C13: got '74-87-3'
## Warning: Expecting logical in W3165 / R3165C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3165 / R3165C24: got '0.5'
## Warning: Expecting logical in Y3165 / R3165C25: got 'ug/L'
## Warning: Expecting logical in M3166 / R3166C13: got '630-20-6'
```

```
## Warning: Expecting logical in W3166 / R3166C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3166 / R3166C24: got '0.5'
## Warning: Expecting logical in Y3166 / R3166C25: got 'ug/L'
## Warning: Expecting logical in M3167 / R3167C13: got '95-49-8'
## Warning: Expecting logical in W3167 / R3167C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3167 / R3167C24: got '0.5'
## Warning: Expecting logical in Y3167 / R3167C25: got 'ug/L'
## Warning: Expecting logical in M3168 / R3168C13: got '7440-23-5'
## Warning: Expecting logical in M3169 / R3169C13: got '7439-98-7'
## Warning: Expecting logical in W3169 / R3169C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3169 / R3169C24: got '5'
## Warning: Expecting logical in Y3169 / R3169C25: got 'ug/L'
## Warning: Expecting logical in M3170 / R3170C13: got '7440-62-2'
## Warning: Expecting logical in W3170 / R3170C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3170 / R3170C24: got '10'
## Warning: Expecting logical in Y3170 / R3170C25: got 'ug/L'
## Warning: Expecting logical in M3171 / R3171C13: got '7440-47-3'
## Warning: Expecting logical in W3171 / R3171C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3171 / R3171C24: got '5'
## Warning: Expecting logical in Y3171 / R3171C25: got 'ug/L'
## Warning: Expecting logical in M3172 / R3172C13: got '106-43-4'
## Warning: Expecting logical in W3172 / R3172C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3172 / R3172C24: got '0.5'
## Warning: Expecting logical in Y3172 / R3172C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3173 / R3173C13: got '124-48-1'
## Warning: Expecting logical in W3173 / R3173C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3173 / R3173C24: got '0.5'
## Warning: Expecting logical in Y3173 / R3173C25: got 'ug/L'
## Warning: Expecting logical in M3174 / R3174C13: got '75-00-3'
## Warning: Expecting logical in W3174 / R3174C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3174 / R3174C24: got '0.5'
## Warning: Expecting logical in Y3174 / R3174C25: got 'ug/L'
## Warning: Expecting logical in M3175 / R3175C13: got '75-27-4'
## Warning: Expecting logical in W3175 / R3175C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3175 / R3175C24: got '0.5'
## Warning: Expecting logical in Y3175 / R3175C25: got 'ug/L'
## Warning: Expecting logical in M3176 / R3176C13: got '75-09-2'
## Warning: Expecting logical in W3176 / R3176C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3176 / R3176C24: got '0.5'
## Warning: Expecting logical in Y3176 / R3176C25: got 'ug/L'
## Warning: Expecting logical in M3177 / R3177C13: got '74-97-5'
## Warning: Expecting logical in W3177 / R3177C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3177 / R3177C24: got '0.5'
## Warning: Expecting logical in Y3177 / R3177C25: got 'ug/L'
## Warning: Expecting logical in M3178 / R3178C13: got '98-82-8'
## Warning: Expecting logical in W3178 / R3178C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3178 / R3178C24: got '0.5'
## Warning: Expecting logical in Y3178 / R3178C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3179 / R3179C13: got '7429-90-5'
## Warning: Expecting logical in W3179 / R3179C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3179 / R3179C24: got '100'
## Warning: Expecting logical in Y3179 / R3179C25: got 'ug/L'
## Warning: Expecting logical in M3180 / R3180C13: got '7440-02-0'
## Warning: Expecting logical in W3180 / R3180C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3180 / R3180C24: got '20'
## Warning: Expecting logical in Y3180 / R3180C25: got 'ug/L'
## Warning: Expecting logical in M3181 / R3181C13: got '7440-36-0'
## Warning: Expecting logical in W3181 / R3181C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3181 / R3181C24: got '120'
## Warning: Expecting logical in Y3181 / R3181C25: got 'ug/L'
## Warning: Expecting logical in M3182 / R3182C13: got '7439-95-4'
## Warning: Expecting logical in M3183 / R3183C13: got '91-20-3'
## Warning: Expecting logical in W3183 / R3183C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3183 / R3183C24: got '0.5'
## Warning: Expecting logical in Y3183 / R3183C25: got 'ug/L'
## Warning: Expecting logical in M3184 / R3184C13: got '103-65-1'
## Warning: Expecting logical in W3184 / R3184C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3184 / R3184C24: got '0.5'
## Warning: Expecting logical in Y3184 / R3184C25: got 'ug/L'
## Warning: Expecting logical in M3185 / R3185C13: got '74-95-3'
## Warning: Expecting logical in W3185 / R3185C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3185 / R3185C24: got '0.5'
```

```
## Warning: Expecting logical in Y3185 / R3185C25: got 'ug/L'
## Warning: Expecting logical in M3186 / R3186C13: got '75-35-4'
## Warning: Expecting logical in W3186 / R3186C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3186 / R3186C24: got '0.5'
## Warning: Expecting logical in Y3186 / R3186C25: got 'ug/L'
## Warning: Expecting logical in M3187 / R3187C13: got '75-69-4'
## Warning: Expecting logical in W3187 / R3187C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3187 / R3187C24: got '0.5'
## Warning: Expecting logical in Y3187 / R3187C25: got 'ug/L'
## Warning: Expecting logical in M3188 / R3188C13: got '75-34-3'
## Warning: Expecting logical in W3188 / R3188C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3188 / R3188C24: got '0.5'
## Warning: Expecting logical in Y3188 / R3188C25: got 'ug/L'
## Warning: Expecting logical in M3189 / R3189C13: got '79-01-6'
## Warning: Expecting logical in W3189 / R3189C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3189 / R3189C24: got '0.5'
## Warning: Expecting logical in Y3189 / R3189C25: got 'ug/L'
## Warning: Expecting logical in M3190 / R3190C13: got '79-00-5'
## Warning: Expecting logical in W3190 / R3190C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3190 / R3190C24: got '0.5'
## Warning: Expecting logical in Y3190 / R3190C25: got 'ug/L'
## Warning: Expecting logical in M3191 / R3191C13: got '127-18-4'
## Warning: Expecting logical in W3191 / R3191C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3191 / R3191C24: got '0.5'
```

```
## Warning: Expecting logical in Y3191 / R3191C25: got 'ug/L'
## Warning: Expecting logical in M3192 / R3192C13: got '135-98-8'
## Warning: Expecting logical in W3192 / R3192C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3192 / R3192C24: got '0.5'
## Warning: Expecting logical in Y3192 / R3192C25: got 'ug/L'
## Warning: Expecting logical in M3193 / R3193C13: got '71-55-6'
## Warning: Expecting logical in W3193 / R3193C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3193 / R3193C24: got '0.5'
## Warning: Expecting logical in Y3193 / R3193C25: got 'ug/L'
## Warning: Expecting logical in M3194 / R3194C13: got '56-23-5'
## Warning: Expecting logical in W3194 / R3194C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3194 / R3194C24: got '0.5'
## Warning: Expecting logical in Y3194 / R3194C25: got 'ug/L'
## Warning: Expecting logical in M3195 / R3195C13: got '7782-49-2'
## Warning: Expecting logical in W3195 / R3195C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3195 / R3195C24: got '5'
## Warning: Expecting logical in Y3195 / R3195C25: got 'ug/L'
## Warning: Expecting logical in M3196 / R3196C13: got '7439-89-6'
## Warning: Expecting logical in M3197 / R3197C13: got '7429-90-5'
## Warning: Expecting logical in W3197 / R3197C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3197 / R3197C24: got '50'
## Warning: Expecting logical in Y3197 / R3197C25: got 'ug/L'
## Warning: Expecting logical in M3198 / R3198C13: got '7440-02-0'
## Warning: Expecting logical in W3198 / R3198C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3198 / R3198C24: got '10'
## Warning: Expecting logical in Y3198 / R3198C25: got 'ug/L'
## Warning: Expecting logical in M3199 / R3199C13: got '7782-49-2'
## Warning: Expecting logical in W3199 / R3199C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3199 / R3199C24: got '190'
## Warning: Expecting logical in Y3199 / R3199C25: got 'ug/L'
## Warning: Expecting logical in M3200 / R3200C13: got '7440-43-9'
## Warning: Expecting logical in W3200 / R3200C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3200 / R3200C24: got '10'
## Warning: Expecting logical in Y3200 / R3200C25: got 'ug/L'
## Warning: Expecting logical in M3201 / R3201C13: got '96-12-8'
## Warning: Expecting logical in W3201 / R3201C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3201 / R3201C24: got '0.5'
## Warning: Expecting logical in Y3201 / R3201C25: got 'ug/L'
## Warning: Expecting logical in M3202 / R3202C13: got '79-34-5'
## Warning: Expecting logical in W3202 / R3202C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3202 / R3202C24: got '0.5'
## Warning: Expecting logical in Y3202 / R3202C25: got 'ug/L'
## Warning: Expecting logical in M3203 / R3203C13: got '87-68-3'
## Warning: Expecting logical in W3203 / R3203C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3203 / R3203C24: got '0.5'
## Warning: Expecting logical in Y3203 / R3203C25: got 'ug/L'
## Warning: Expecting logical in M3204 / R3204C13: got '7440-22-4'
## Warning: Expecting logical in W3204 / R3204C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3204 / R3204C24: got '10'
## Warning: Expecting logical in Y3204 / R3204C25: got 'ug/L'
## Warning: Expecting logical in M3205 / R3205C13: got '7440-66-6'
## Warning: Expecting logical in W3205 / R3205C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3205 / R3205C24: got '10'
## Warning: Expecting logical in Y3205 / R3205C25: got 'ug/L'
## Warning: Expecting logical in M3206 / R3206C13: got '25735-29-9'
## Warning: Expecting logical in W3206 / R3206C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3206 / R3206C24: got '0.5'
## Warning: Expecting logical in Y3206 / R3206C25: got 'ug/L'
## Warning: Expecting logical in M3207 / R3207C13: got '108-90-7'
## Warning: Expecting logical in W3207 / R3207C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3207 / R3207C24: got '0.5'
## Warning: Expecting logical in Y3207 / R3207C25: got 'ug/L'
## Warning: Expecting logical in M3208 / R3208C13: got '106-93-4'
## Warning: Expecting logical in W3208 / R3208C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3208 / R3208C24: got '0.5'
## Warning: Expecting logical in Y3208 / R3208C25: got 'ug/L'
## Warning: Expecting logical in M3209 / R3209C13: got '563-58-6'
## Warning: Expecting logical in W3209 / R3209C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3209 / R3209C24: got '0.5'
## Warning: Expecting logical in Y3209 / R3209C25: got 'ug/L'
## Warning: Expecting logical in M3210 / R3210C13: got '7440-38-2'
## Warning: Expecting logical in W3210 / R3210C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3210 / R3210C24: got '80'
## Warning: Expecting logical in Y3210 / R3210C25: got 'ug/L'
## Warning: Expecting logical in M3211 / R3211C13: got '142-28-9'
## Warning: Expecting logical in W3211 / R3211C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3211 / R3211C24: got '0.5'
## Warning: Expecting logical in Y3211 / R3211C25: got 'ug/L'
## Warning: Expecting logical in M3212 / R3212C13: got '67-66-3'
## Warning: Expecting logical in W3212 / R3212C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3212 / R3212C24: got '0.5'
## Warning: Expecting logical in Y3212 / R3212C25: got 'ug/L'
## Warning: Expecting logical in M3213 / R3213C13: got '7440-70-2'
## Warning: Expecting logical in M3214 / R3214C13: got '7440-31-5'
## Warning: Expecting logical in W3214 / R3214C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3214 / R3214C24: got '30'
## Warning: Expecting logical in Y3214 / R3214C25: got 'ug/L'
## Warning: Expecting logical in M3215 / R3215C13: got '7440-22-4'
## Warning: Expecting logical in W3215 / R3215C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3215 / R3215C24: got '5'
## Warning: Expecting logical in Y3215 / R3215C25: got 'ug/L'
## Warning: Expecting logical in M3216 / R3216C13: got '7439-92-1'
## Warning: Expecting logical in W3216 / R3216C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3216 / R3216C24: got '1'
## Warning: Expecting logical in Y3216 / R3216C25: got 'ug/L'
## Warning: Expecting logical in M3217 / R3217C13: got '7440-66-6'
```

```
## Warning: Expecting logical in W3217 / R3217C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3217 / R3217C24: got '20'
## Warning: Expecting logical in Y3217 / R3217C25: got 'ug/L'
## Warning: Expecting logical in M3218 / R3218C13: got '7440-41-7'
## Warning: Expecting logical in W3218 / R3218C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3218 / R3218C24: got '10'
## Warning: Expecting logical in Y3218 / R3218C25: got 'ug/L'
## Warning: Expecting logical in M3219 / R3219C13: got '7440-38-2'
## Warning: Expecting logical in W3219 / R3219C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3219 / R3219C24: got '5'
## Warning: Expecting logical in Y3219 / R3219C25: got 'ug/L'
## Warning: Expecting logical in M3220 / R3220C13: got '594-20-7'
## Warning: Expecting logical in W3220 / R3220C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3220 / R3220C24: got '0.5'
## Warning: Expecting logical in Y3220 / R3220C25: got 'ug/L'
## Warning: Expecting logical in M3221 / R3221C13: got '108-67-8'
## Warning: Expecting logical in W3221 / R3221C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3221 / R3221C24: got '0.5'
## Warning: Expecting logical in Y3221 / R3221C25: got 'ug/L'
## Warning: Expecting logical in M3222 / R3222C13: got '7440-36-0'
## Warning: Expecting logical in W3222 / R3222C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3222 / R3222C24: got '5'
## Warning: Expecting logical in Y3222 / R3222C25: got 'ug/L'
## Warning: Expecting logical in M3223 / R3223C13: got '7440-09-7'
```

```
## Warning: Expecting logical in W3223 / R3223C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3223 / R3223C24: got '5000'
## Warning: Expecting logical in Y3223 / R3223C25: got 'ug/L'
## Warning: Expecting logical in M3224 / R3224C13: got '7440-28-0'
## Warning: Expecting logical in W3224 / R3224C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3224 / R3224C24: got '200'
## Warning: Expecting logical in Y3224 / R3224C25: got 'ug/L'
## Warning: Expecting logical in M3225 / R3225C13: got '7440-39-3'
## Warning: Expecting logical in M3226 / R3226C13: got '104-51-8'
## Warning: Expecting logical in W3226 / R3226C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3226 / R3226C24: got '0.5'
## Warning: Expecting logical in Y3226 / R3226C25: got 'ug/L'
## Warning: Expecting logical in M3227 / R3227C13: got '75-25-2'
## Warning: Expecting logical in W3227 / R3227C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3227 / R3227C24: got '0.5'
## Warning: Expecting logical in Y3227 / R3227C25: got 'ug/L'
## Warning: Expecting logical in M3228 / R3228C13: got '75-01-4'
## Warning: Expecting logical in W3228 / R3228C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3228 / R3228C24: got '0.5'
## Warning: Expecting logical in Y3228 / R3228C25: got 'ug/L'
## Warning: Expecting logical in M3229 / R3229C13: got '74-83-9'
## Warning: Expecting logical in W3229 / R3229C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3229 / R3229C24: got '0.5'
## Warning: Expecting logical in Y3229 / R3229C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3230 / R3230C13: got '156-60-5'
## Warning: Expecting logical in W3230 / R3230C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3230 / R3230C24: got '0.5'
## Warning: Expecting logical in Y3230 / R3230C25: got 'ug/L'
## Warning: Expecting logical in M3231 / R3231C13: got '10061-01-5'
## Warning: Expecting logical in W3231 / R3231C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3231 / R3231C24: got '0.5'
## Warning: Expecting logical in Y3231 / R3231C25: got 'ug/L'
## Warning: Expecting logical in M3232 / R3232C13: got '7440-50-8'
## Warning: Expecting logical in W3232 / R3232C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3232 / R3232C24: got '5'
## Warning: Expecting logical in Y3232 / R3232C25: got 'ug/L'
## Warning: Expecting logical in M3233 / R3233C13: got '95-50-1'
## Warning: Expecting logical in W3233 / R3233C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3233 / R3233C24: got '0.5'
## Warning: Expecting logical in Y3233 / R3233C25: got 'ug/L'
## Warning: Expecting logical in M3234 / R3234C13: got '100-42-5'
## Warning: Expecting logical in W3234 / R3234C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3234 / R3234C24: got '0.5'
## Warning: Expecting logical in Y3234 / R3234C25: got 'ug/L'
## Warning: Expecting logical in R3235 / R3235C18: got 'as N'
## Warning: Expecting logical in W3235 / R3235C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3235 / R3235C24: got '0.02'
## Warning: Expecting logical in Y3235 / R3235C25: got 'mg/L'
```

```
## Warning: Expecting logical in M3236 / R3236C13: got '95-63-6'
## Warning: Expecting logical in W3236 / R3236C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3236 / R3236C24: got '0.5'
## Warning: Expecting logical in Y3236 / R3236C25: got 'ug/L'
## Warning: Expecting logical in M3237 / R3237C13: got '108-86-1'
## Warning: Expecting logical in W3237 / R3237C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3237 / R3237C24: got '0.5'
## Warning: Expecting logical in Y3237 / R3237C25: got 'ug/L'
## Warning: Expecting logical in M3238 / R3238C13: got '156-59-2'
## Warning: Expecting logical in W3238 / R3238C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3238 / R3238C24: got '0.5'
## Warning: Expecting logical in Y3238 / R3238C25: got 'ug/L'
## Warning: Expecting logical in M3239 / R3239C13: got '75-71-8'
## Warning: Expecting logical in W3239 / R3239C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3239 / R3239C24: got '0.5'
## Warning: Expecting logical in Y3239 / R3239C25: got 'ug/L'
## Warning: Expecting logical in M3240 / R3240C13: got '100-41-4'
## Warning: Expecting logical in W3240 / R3240C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3240 / R3240C24: got '0.5'
## Warning: Expecting logical in Y3240 / R3240C25: got 'ug/L'
## Warning: Expecting logical in M3241 / R3241C13: got '1634-04-4'
## Warning: Expecting logical in W3241 / R3241C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3241 / R3241C24: got '0.5'
## Warning: Expecting logical in Y3241 / R3241C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3242 / R3242C13: got '7440-47-3'
## Warning: Expecting logical in W3242 / R3242C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3242 / R3242C24: got '20'
## Warning: Expecting logical in Y3242 / R3242C25: got 'ug/L'
## Warning: Expecting logical in M3243 / R3243C13: got '7440-39-3'
## Warning: Expecting logical in M3244 / R3244C13: got '7440-50-8'
## Warning: Expecting logical in W3244 / R3244C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3244 / R3244C24: got '20'
## Warning: Expecting logical in Y3244 / R3244C25: got 'ug/L'
## Warning: Expecting logical in M3245 / R3245C13: got '120-82-1'
## Warning: Expecting logical in W3245 / R3245C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3245 / R3245C24: got '0.5'
## Warning: Expecting logical in Y3245 / R3245C25: got 'ug/L'
## Warning: Expecting logical in M3246 / R3246C13: got '541-73-1'
## Warning: Expecting logical in W3246 / R3246C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3246 / R3246C24: got '0.5'
## Warning: Expecting logical in Y3246 / R3246C25: got 'ug/L'
## Warning: Expecting logical in M3247 / R3247C13: got '1330-20-7'
## Warning: Expecting logical in W3247 / R3247C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3247 / R3247C24: got '0.50'
## Warning: Expecting logical in Y3247 / R3247C25: got 'ug/L'
## Warning: Expecting logical in M3248 / R3248C13: got '108-88-3'
## Warning: Expecting logical in W3248 / R3248C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3248 / R3248C24: got '0.5'
```

```
## Warning: Expecting logical in Y3248 / R3248C25: got 'ug/L'
## Warning: Expecting logical in M3249 / R3249C13: got '7440-28-0'
## Warning: Expecting logical in W3249 / R3249C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3249 / R3249C24: got '1'
## Warning: Expecting logical in Y3249 / R3249C25: got 'ug/L'
## Warning: Expecting logical in M3250 / R3250C13: got '71-43-2'
## Warning: Expecting logical in W3250 / R3250C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3250 / R3250C24: got '0.5'
## Warning: Expecting logical in Y3250 / R3250C25: got 'ug/L'
## Warning: Expecting logical in M3251 / R3251C13: got '7440-32-6'
## Warning: Expecting logical in W3251 / R3251C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3251 / R3251C24: got '10'
## Warning: Expecting logical in Y3251 / R3251C25: got 'ug/L'
## Warning: Expecting logical in M3252 / R3252C13: got '14808-79-8'
## Warning: Expecting logical in M3253 / R3253C13: got '7439-92-1'
## Warning: Expecting logical in W3253 / R3253C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3253 / R3253C24: got '90'
## Warning: Expecting logical in Y3253 / R3253C25: got 'ug/L'
## Warning: Expecting logical in M3254 / R3254C13: got '99-87-6'
## Warning: Expecting logical in W3254 / R3254C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3254 / R3254C24: got '0.5'
## Warning: Expecting logical in Y3254 / R3254C25: got 'ug/L'
## Warning: Expecting logical in M3255 / R3255C13: got '7440-61-1'
## Warning: Expecting logical in W3255 / R3255C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3255 / R3255C24: got '1'
## Warning: Expecting logical in Y3255 / R3255C25: got 'ug/L'
## Warning: Expecting logical in M3256 / R3256C13: got '71-43-2'
## Warning: Expecting logical in W3256 / R3256C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3256 / R3256C24: got '0.5'
## Warning: Expecting logical in Y3256 / R3256C25: got 'ug/L'
## Warning: Expecting logical in M3257 / R3257C13: got '95-49-8'
## Warning: Expecting logical in W3257 / R3257C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3257 / R3257C24: got '0.5'
## Warning: Expecting logical in Y3257 / R3257C25: got 'ug/L'
## Warning: Expecting logical in M3258 / R3258C13: got '104-51-8'
## Warning: Expecting logical in W3258 / R3258C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3258 / R3258C24: got '0.5'
## Warning: Expecting logical in Y3258 / R3258C25: got 'ug/L'
## Warning: Expecting logical in M3259 / R3259C13: got '7440-66-6'
## Warning: Expecting logical in M3260 / R3260C13: got '7440-48-4'
## Warning: Expecting logical in W3260 / R3260C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3260 / R3260C24: got '10'
## Warning: Expecting logical in Y3260 / R3260C25: got 'ug/L'
## Warning: Expecting logical in M3261 / R3261C13: got '106-46-7'
## Warning: Expecting logical in W3261 / R3261C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3261 / R3261C24: got '0.5'
## Warning: Expecting logical in Y3261 / R3261C25: got 'ug/L'
## Warning: Expecting logical in M3262 / R3262C13: got '7439-92-1'
```

```
## Warning: Expecting logical in W3262 / R3262C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3262 / R3262C24: got '90'
## Warning: Expecting logical in Y3262 / R3262C25: got 'ug/L'
## Warning: Expecting logical in M3263 / R3263C13: got '7440-43-9'
## Warning: Expecting logical in W3263 / R3263C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3263 / R3263C24: got '0.7'
## Warning: Expecting logical in Y3263 / R3263C25: got 'ug/L'
## Warning: Expecting logical in M3264 / R3264C13: got '75-09-2'
## Warning: Expecting logical in W3264 / R3264C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3264 / R3264C24: got '0.5'
## Warning: Expecting logical in Y3264 / R3264C25: got 'ug/L'
## Warning: Expecting logical in M3265 / R3265C13: got '75-34-3'
## Warning: Expecting logical in W3265 / R3265C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3265 / R3265C24: got '0.5'
## Warning: Expecting logical in Y3265 / R3265C25: got 'ug/L'
## Warning: Expecting logical in M3266 / R3266C13: got '103-65-1'
## Warning: Expecting logical in W3266 / R3266C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3266 / R3266C24: got '0.5'
## Warning: Expecting logical in Y3266 / R3266C25: got 'ug/L'
## Warning: Expecting logical in M3267 / R3267C13: got '7439-92-1'
## Warning: Expecting logical in W3267 / R3267C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3267 / R3267C24: got '1'
## Warning: Expecting logical in Y3267 / R3267C25: got 'ug/L'
## Warning: Expecting logical in M3268 / R3268C13: got '75-27-4'
```

```
## Warning: Expecting logical in W3268 / R3268C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3268 / R3268C24: got '0.5'
## Warning: Expecting logical in Y3268 / R3268C25: got 'ug/L'
## Warning: Expecting logical in M3269 / R3269C13: got '98-82-8'
## Warning: Expecting logical in W3269 / R3269C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3269 / R3269C24: got '0.5'
## Warning: Expecting logical in Y3269 / R3269C25: got 'ug/L'
## Warning: Expecting logical in M3270 / R3270C13: got '135-98-8'
## Warning: Expecting logical in W3270 / R3270C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3270 / R3270C24: got '0.5'
## Warning: Expecting logical in Y3270 / R3270C25: got 'ug/L'
## Warning: Expecting logical in M3271 / R3271C13: got '7723-14-0'
## Warning: Expecting logical in R3271 / R3271C18: got 'as P'
## Warning: Expecting logical in M3272 / R3272C13: got '7439-96-5'
## Warning: Expecting logical in M3273 / R3273C13: got '75-01-4'
## Warning: Expecting logical in W3273 / R3273C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3273 / R3273C24: got '0.5'
## Warning: Expecting logical in Y3273 / R3273C25: got 'ug/L'
## Warning: Expecting logical in M3274 / R3274C13: got '56-23-5'
## Warning: Expecting logical in W3274 / R3274C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3274 / R3274C24: got '0.5'
## Warning: Expecting logical in Y3274 / R3274C25: got 'ug/L'
## Warning: Expecting logical in M3275 / R3275C13: got '630-20-6'
## Warning: Expecting logical in W3275 / R3275C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3275 / R3275C24: got '0.5'
## Warning: Expecting logical in Y3275 / R3275C25: got 'ug/L'
## Warning: Expecting logical in M3276 / R3276C13: got '10061-02-6'
## Warning: Expecting logical in W3276 / R3276C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3276 / R3276C24: got '0.5'
## Warning: Expecting logical in Y3276 / R3276C25: got 'ug/L'
## Warning: Expecting logical in M3277 / R3277C13: got '594-20-7'
## Warning: Expecting logical in W3277 / R3277C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3277 / R3277C24: got '0.5'
## Warning: Expecting logical in Y3277 / R3277C25: got 'ug/L'
## Warning: Expecting logical in M3278 / R3278C13: got '79-00-5'
## Warning: Expecting logical in W3278 / R3278C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3278 / R3278C24: got '0.5'
## Warning: Expecting logical in Y3278 / R3278C25: got 'ug/L'
## Warning: Expecting logical in M3279 / R3279C13: got '100-41-4'
## Warning: Expecting logical in W3279 / R3279C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3279 / R3279C24: got '0.5'
## Warning: Expecting logical in Y3279 / R3279C25: got 'ug/L'
## Warning: Expecting logical in M3280 / R3280C13: got '95-50-1'
## Warning: Expecting logical in W3280 / R3280C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3280 / R3280C24: got '0.5'
## Warning: Expecting logical in Y3280 / R3280C25: got 'ug/L'
## Warning: Expecting logical in M3281 / R3281C13: got '96-12-8'
## Warning: Expecting logical in W3281 / R3281C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3281 / R3281C24: got '0.5'
## Warning: Expecting logical in Y3281 / R3281C25: got 'ug/L'
## Warning: Expecting logical in M3282 / R3282C13: got '7440-38-2'
## Warning: Expecting logical in W3282 / R3282C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3282 / R3282C24: got '80'
## Warning: Expecting logical in Y3282 / R3282C25: got 'ug/L'
## Warning: Expecting logical in M3283 / R3283C13: got '7440-28-0'
## Warning: Expecting logical in W3283 / R3283C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3283 / R3283C24: got '1'
## Warning: Expecting logical in Y3283 / R3283C25: got 'ug/L'
## Warning: Expecting logical in M3284 / R3284C13: got '7439-89-6'
## Warning: Expecting logical in M3285 / R3285C13: got '7440-22-4'
## Warning: Expecting logical in W3285 / R3285C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3285 / R3285C24: got '10'
## Warning: Expecting logical in Y3285 / R3285C25: got 'ug/L'
## Warning: Expecting logical in M3286 / R3286C13: got '87-61-6'
## Warning: Expecting logical in W3286 / R3286C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3286 / R3286C24: got '0.5'
## Warning: Expecting logical in Y3286 / R3286C25: got 'ug/L'
## Warning: Expecting logical in M3287 / R3287C13: got '25735-29-9'
## Warning: Expecting logical in W3287 / R3287C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3287 / R3287C24: got '0.5'
## Warning: Expecting logical in Y3287 / R3287C25: got 'ug/L'
## Warning: Expecting logical in M3288 / R3288C13: got '10061-01-5'
```

```
## Warning: Expecting logical in W3288 / R3288C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3288 / R3288C24: got '0.5'
## Warning: Expecting logical in Y3288 / R3288C25: got 'ug/L'
## Warning: Expecting logical in M3289 / R3289C13: got '156-60-5'
## Warning: Expecting logical in W3289 / R3289C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3289 / R3289C24: got '0.5'
## Warning: Expecting logical in Y3289 / R3289C25: got 'ug/L'
## Warning: Expecting logical in M3290 / R3290C13: got '75-35-4'
## Warning: Expecting logical in W3290 / R3290C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3290 / R3290C24: got '0.5'
## Warning: Expecting logical in Y3290 / R3290C25: got 'ug/L'
## Warning: Expecting logical in M3291 / R3291C13: got '67-66-3'
## Warning: Expecting logical in W3291 / R3291C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3291 / R3291C24: got '0.5'
## Warning: Expecting logical in Y3291 / R3291C25: got 'ug/L'
## Warning: Expecting logical in M3292 / R3292C13: got '79-34-5'
## Warning: Expecting logical in W3292 / R3292C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3292 / R3292C24: got '0.5'
## Warning: Expecting logical in Y3292 / R3292C25: got 'ug/L'
## Warning: Expecting logical in M3293 / R3293C13: got '7440-47-3'
## Warning: Expecting logical in W3293 / R3293C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3293 / R3293C24: got '20'
## Warning: Expecting logical in Y3293 / R3293C25: got 'ug/L'
## Warning: Expecting logical in M3294 / R3294C13: got '16984-48-8'
```

```
## Warning: Expecting logical in W3294 / R3294C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3294 / R3294C24: got '0.20'
## Warning: Expecting logical in Y3294 / R3294C25: got 'mg/L'
## Warning: Expecting logical in M3295 / R3295C13: got '14808-79-8'
## Warning: Expecting logical in W3295 / R3295C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3295 / R3295C24: got '10'
## Warning: Expecting logical in Y3295 / R3295C25: got 'mg/L'
## Warning: Expecting logical in M3296 / R3296C13: got '7440-41-7'
## Warning: Expecting logical in W3296 / R3296C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3296 / R3296C24: got '10'
## Warning: Expecting logical in Y3296 / R3296C25: got 'ug/L'
## Warning: Expecting logical in M3297 / R3297C13: got '7440-32-6'
## Warning: Expecting logical in W3297 / R3297C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3297 / R3297C24: got '10'
## Warning: Expecting logical in Y3297 / R3297C25: got 'ug/L'
## Warning: Expecting logical in M3298 / R3298C13: got '7439-95-4'
## Warning: Expecting logical in M3299 / R3299C13: got '7440-38-2'
## Warning: Expecting logical in W3299 / R3299C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3299 / R3299C24: got '5'
## Warning: Expecting logical in Y3299 / R3299C25: got 'ug/L'
## Warning: Expecting logical in M3300 / R3300C13: got '7440-50-8'
## Warning: Expecting logical in W3300 / R3300C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3300 / R3300C24: got '20'
## Warning: Expecting logical in Y3300 / R3300C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3301 / R3301C13: got '108-86-1'
## Warning: Expecting logical in W3301 / R3301C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3301 / R3301C24: got '0.5'
## Warning: Expecting logical in Y3301 / R3301C25: got 'ug/L'
## Warning: Expecting logical in M3302 / R3302C13: got '108-90-7'
## Warning: Expecting logical in W3302 / R3302C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3302 / R3302C24: got '0.5'
## Warning: Expecting logical in Y3302 / R3302C25: got 'ug/L'
## Warning: Expecting logical in M3303 / R3303C13: got '74-83-9'
## Warning: Expecting logical in W3303 / R3303C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3303 / R3303C24: got '0.5'
## Warning: Expecting logical in Y3303 / R3303C25: got 'ug/L'
## Warning: Expecting logical in M3304 / R3304C13: got '78-87-5'
## Warning: Expecting logical in W3304 / R3304C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3304 / R3304C24: got '0.5'
## Warning: Expecting logical in Y3304 / R3304C25: got 'ug/L'
## Warning: Expecting logical in M3305 / R3305C13: got '7782-49-2'
## Warning: Expecting logical in W3305 / R3305C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3305 / R3305C24: got '190'
## Warning: Expecting logical in Y3305 / R3305C25: got 'ug/L'
## Warning: Expecting logical in M3306 / R3306C13: got '7440-02-0'
## Warning: Expecting logical in W3306 / R3306C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3306 / R3306C24: got '10'
## Warning: Expecting logical in Y3306 / R3306C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3307 / R3307C13: got '120-82-1'
## Warning: Expecting logical in W3307 / R3307C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3307 / R3307C24: got '0.5'
## Warning: Expecting logical in Y3307 / R3307C25: got 'ug/L'
## Warning: Expecting logical in M3308 / R3308C13: got '7440-39-3'
## Warning: Expecting logical in M3309 / R3309C13: got '74-95-3'
## Warning: Expecting logical in W3309 / R3309C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3309 / R3309C24: got '0.5'
## Warning: Expecting logical in Y3309 / R3309C25: got 'ug/L'
## Warning: Expecting logical in M3310 / R3310C13: got '74-97-5'
## Warning: Expecting logical in W3310 / R3310C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3310 / R3310C24: got '0.5'
## Warning: Expecting logical in Y3310 / R3310C25: got 'ug/L'
## Warning: Expecting logical in M3311 / R3311C13: got '7439-98-7'
## Warning: Expecting logical in W3311 / R3311C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3311 / R3311C24: got '5'
## Warning: Expecting logical in Y3311 / R3311C25: got 'ug/L'
## Warning: Expecting logical in M3312 / R3312C13: got '7440-36-0'
## Warning: Expecting logical in W3312 / R3312C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3312 / R3312C24: got '5'
## Warning: Expecting logical in Y3312 / R3312C25: got 'ug/L'
## Warning: Expecting logical in M3313 / R3313C13: got '16887-00-6'
## Warning: Expecting logical in W3313 / R3313C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3313 / R3313C24: got '10'
```

```
## Warning: Expecting logical in Y3313 / R3313C25: got 'mg/L'
## Warning: Expecting logical in M3314 / R3314C13: got '7440-43-9'
## Warning: Expecting logical in W3314 / R3314C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3314 / R3314C24: got '10'
## Warning: Expecting logical in Y3314 / R3314C25: got 'ug/L'
## Warning: Expecting logical in M3315 / R3315C13: got '98-06-6'
## Warning: Expecting logical in W3315 / R3315C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3315 / R3315C24: got '0.5'
## Warning: Expecting logical in Y3315 / R3315C25: got 'ug/L'
## Warning: Expecting logical in M3316 / R3316C13: got '100-42-5'
## Warning: Expecting logical in W3316 / R3316C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3316 / R3316C24: got '0.5'
## Warning: Expecting logical in Y3316 / R3316C25: got 'ug/L'
## Warning: Expecting logical in M3317 / R3317C13: got '142-28-9'
## Warning: Expecting logical in W3317 / R3317C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3317 / R3317C24: got '0.5'
## Warning: Expecting logical in Y3317 / R3317C25: got 'ug/L'
## Warning: Expecting logical in M3318 / R3318C13: got '563-58-6'
## Warning: Expecting logical in W3318 / R3318C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3318 / R3318C24: got '0.5'
## Warning: Expecting logical in Y3318 / R3318C25: got 'ug/L'
## Warning: Expecting logical in M3319 / R3319C13: got '95-63-6'
## Warning: Expecting logical in W3319 / R3319C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3319 / R3319C24: got '0.5'
```

```
## Warning: Expecting logical in Y3319 / R3319C25: got 'ug/L'
## Warning: Expecting logical in M3320 / R3320C13: got '91-20-3'
## Warning: Expecting logical in W3320 / R3320C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3320 / R3320C24: got '0.5'
## Warning: Expecting logical in Y3320 / R3320C25: got 'ug/L'
## Warning: Expecting logical in M3321 / R3321C13: got '7440-02-0'
## Warning: Expecting logical in W3321 / R3321C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3321 / R3321C24: got '20'
## Warning: Expecting logical in Y3321 / R3321C25: got 'ug/L'
## Warning: Expecting logical in R3322 / R3322C18: got 'as N'
## Warning: Expecting logical in M3323 / R3323C13: got '7440-50-8'
## Warning: Expecting logical in W3323 / R3323C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3323 / R3323C24: got '5'
## Warning: Expecting logical in Y3323 / R3323C25: got 'ug/L'
## Warning: Expecting logical in M3324 / R3324C13: got '7440-23-5'
## Warning: Expecting logical in M3325 / R3325C13: got '7440-62-2'
## Warning: Expecting logical in M3326 / R3326C13: got '7440-61-1'
## Warning: Expecting logical in M3327 / R3327C13: got '74-87-3'
## Warning: Expecting logical in W3327 / R3327C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3327 / R3327C24: got '0.5'
## Warning: Expecting logical in Y3327 / R3327C25: got 'ug/L'
## Warning: Expecting logical in M3328 / R3328C13: got '79-01-6'
## Warning: Expecting logical in W3328 / R3328C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3328 / R3328C24: got '0.5'
```

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## Warning: Expecting logical in Y3328 / R3328C25: got 'ug/L'
## Warning: Expecting logical in M3329 / R3329C13: got '1634-04-4'
## Warning: Expecting logical in W3329 / R3329C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3329 / R3329C24: got '0.5'
## Warning: Expecting logical in Y3329 / R3329C25: got 'ug/L'
## Warning: Expecting logical in M3330 / R3330C13: got '108-67-8'
## Warning: Expecting logical in W3330 / R3330C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3330 / R3330C24: got '0.5'
## Warning: Expecting logical in Y3330 / R3330C25: got 'ug/L'
## Warning: Expecting logical in M3331 / R3331C13: got '1330-20-7'
## Warning: Expecting logical in W3331 / R3331C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3331 / R3331C24: got '0.50'
## Warning: Expecting logical in Y3331 / R3331C25: got 'ug/L'
## Warning: Expecting logical in M3332 / R3332C13: got '127-18-4'
## Warning: Expecting logical in W3332 / R3332C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3332 / R3332C24: got '0.5'
## Warning: Expecting logical in Y3332 / R3332C25: got 'ug/L'
## Warning: Expecting logical in M3333 / R3333C13: got '75-71-8'
## Warning: Expecting logical in W3333 / R3333C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3333 / R3333C24: got '0.5'
## Warning: Expecting logical in Y3333 / R3333C25: got 'ug/L'
## Warning: Expecting logical in M3334 / R3334C13: got '7440-28-0'
## Warning: Expecting logical in W3334 / R3334C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3334 / R3334C24: got '200'
```

```
## Warning: Expecting logical in Y3334 / R3334C25: got 'ug/L'
## Warning: Expecting logical in M3335 / R3335C13: got '7429-90-5'
## Warning: Expecting logical in W3335 / R3335C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3335 / R3335C24: got '50'
## Warning: Expecting logical in Y3335 / R3335C25: got 'ug/L'
## Warning: Expecting logical in M3336 / R3336C13: got '7782-49-2'
## Warning: Expecting logical in W3336 / R3336C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3336 / R3336C24: got '5'
## Warning: Expecting logical in Y3336 / R3336C25: got 'ug/L'
## Warning: Expecting logical in M3337 / R3337C13: got '7440-22-4'
## Warning: Expecting logical in W3337 / R3337C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3337 / R3337C24: got '5'
## Warning: Expecting logical in Y3337 / R3337C25: got 'ug/L'
## Warning: Expecting logical in M3338 / R3338C13: got '7440-31-5'
## Warning: Expecting logical in W3338 / R3338C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3338 / R3338C24: got '30'
## Warning: Expecting logical in Y3338 / R3338C25: got 'ug/L'
## Warning: Expecting logical in M3339 / R3339C13: got '75-69-4'
## Warning: Expecting logical in W3339 / R3339C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3339 / R3339C24: got '0.5'
## Warning: Expecting logical in Y3339 / R3339C25: got 'ug/L'
## Warning: Expecting logical in M3340 / R3340C13: got '106-93-4'
## Warning: Expecting logical in W3340 / R3340C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3340 / R3340C24: got '0.5'
```

```
## Warning: Expecting logical in Y3340 / R3340C25: got 'ug/L'
## Warning: Expecting logical in M3341 / R3341C13: got '7440-66-6'
## Warning: Expecting logical in M3342 / R3342C13: got '75-25-2'
## Warning: Expecting logical in W3342 / R3342C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3342 / R3342C24: got '0.5'
## Warning: Expecting logical in Y3342 / R3342C25: got 'ug/L'
## Warning: Expecting logical in M3343 / R3343C13: got '541-73-1'
## Warning: Expecting logical in W3343 / R3343C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3343 / R3343C24: got '0.5'
## Warning: Expecting logical in Y3343 / R3343C25: got 'ug/L'
## Warning: Expecting logical in M3344 / R3344C13: got '7429-90-5'
## Warning: Expecting logical in W3344 / R3344C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3344 / R3344C24: got '100'
## Warning: Expecting logical in Y3344 / R3344C25: got 'ug/L'
## Warning: Expecting logical in M3345 / R3345C13: got '7440-70-2'
## Warning: Expecting logical in M3346 / R3346C13: got '106-43-4'
## Warning: Expecting logical in W3346 / R3346C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3346 / R3346C24: got '0.5'
## Warning: Expecting logical in Y3346 / R3346C25: got 'ug/L'
## Warning: Expecting logical in M3347 / R3347C13: got '124-48-1'
## Warning: Expecting logical in W3347 / R3347C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3347 / R3347C24: got '0.5'
## Warning: Expecting logical in Y3347 / R3347C25: got 'ug/L'
## Warning: Expecting logical in M3348 / R3348C13: got '108-88-3'
```

```
## Warning: Expecting logical in M3349 / R3349C13: got '71-55-6'
## Warning: Expecting logical in W3349 / R3349C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3349 / R3349C24: got '0.5'
## Warning: Expecting logical in Y3349 / R3349C25: got 'ug/L'
## Warning: Expecting logical in M3350 / R3350C13: got '156-59-2'
## Warning: Expecting logical in W3350 / R3350C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3350 / R3350C24: got '0.5'
## Warning: Expecting logical in Y3350 / R3350C25: got 'ug/L'
## Warning: Expecting logical in M3351 / R3351C13: got '75-00-3'
## Warning: Expecting logical in W3351 / R3351C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3351 / R3351C24: got '0.5'
## Warning: Expecting logical in Y3351 / R3351C25: got 'ug/L'
## Warning: Expecting logical in M3352 / R3352C13: got '107-06-2'
## Warning: Expecting logical in W3352 / R3352C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3352 / R3352C24: got '0.5'
## Warning: Expecting logical in Y3352 / R3352C25: got 'ug/L'
## Warning: Expecting logical in M3353 / R3353C13: got '7440-36-0'
## Warning: Expecting logical in W3353 / R3353C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3353 / R3353C24: got '120'
## Warning: Expecting logical in Y3353 / R3353C25: got 'ug/L'
## Warning: Expecting logical in M3354 / R3354C13: got '7440-47-3'
## Warning: Expecting logical in W3354 / R3354C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3354 / R3354C24: got '5'
## Warning: Expecting logical in Y3354 / R3354C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3355 / R3355C13: got '7440-09-7'
## Warning: Expecting logical in W3355 / R3355C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3355 / R3355C24: got '5000'
## Warning: Expecting logical in Y3355 / R3355C25: got 'ug/L'
## Warning: Expecting logical in M3356 / R3356C13: got '7440-39-3'
## Warning: Expecting logical in M3357 / R3357C13: got '87-68-3'
## Warning: Expecting logical in W3357 / R3357C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3357 / R3357C24: got '0.5'
## Warning: Expecting logical in Y3357 / R3357C25: got 'ug/L'
## Warning: Expecting logical in M3358 / R3358C13: got '99-87-6'
## Warning: Expecting logical in W3358 / R3358C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3358 / R3358C24: got '0.5'
## Warning: Expecting logical in Y3358 / R3358C25: got 'ug/L'
## Warning: Expecting logical in M3359 / R3359C13: got '25735-29-9'
## Warning: Expecting logical in W3359 / R3359C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3359 / R3359C24: got '5.0'
## Warning: Expecting logical in Y3359 / R3359C25: got 'ug/L'
## Warning: Expecting logical in M3360 / R3360C13: got '100-42-5'
## Warning: Expecting logical in W3360 / R3360C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3360 / R3360C24: got '5.0'
## Warning: Expecting logical in Y3360 / R3360C25: got 'ug/L'
## Warning: Expecting logical in M3361 / R3361C13: got '594-20-7'
## Warning: Expecting logical in W3361 / R3361C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3361 / R3361C24: got '5.0'
```

```
## Warning: Expecting logical in Y3361 / R3361C25: got 'ug/L'
## Warning: Expecting logical in M3362 / R3362C13: got '75-69-4'
## Warning: Expecting logical in W3362 / R3362C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3362 / R3362C24: got '5.0'
## Warning: Expecting logical in Y3362 / R3362C25: got 'ug/L'
## Warning: Expecting logical in M3363 / R3363C13: got '7440-02-0'
## Warning: Expecting logical in W3363 / R3363C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3363 / R3363C24: got '10'
## Warning: Expecting logical in Y3363 / R3363C25: got 'ug/L'
## Warning: Expecting logical in M3364 / R3364C13: got '124-48-1'
## Warning: Expecting logical in W3364 / R3364C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3364 / R3364C24: got '5.0'
## Warning: Expecting logical in Y3364 / R3364C25: got 'ug/L'
## Warning: Expecting logical in M3365 / R3365C13: got '7440-38-2'
## Warning: Expecting logical in W3365 / R3365C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3365 / R3365C24: got '5'
## Warning: Expecting logical in Y3365 / R3365C25: got 'ug/L'
## Warning: Expecting logical in M3366 / R3366C13: got '7439-92-1'
## Warning: Expecting logical in W3366 / R3366C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3366 / R3366C24: got '1'
## Warning: Expecting logical in Y3366 / R3366C25: got 'ug/L'
## Warning: Expecting logical in M3367 / R3367C13: got '16984-48-8'
## Warning: Expecting logical in M3368 / R3368C13: got '7440-41-7'
## Warning: Expecting logical in W3368 / R3368C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3368 / R3368C24: got '10'
## Warning: Expecting logical in Y3368 / R3368C25: got 'ug/L'
## Warning: Expecting logical in M3369 / R3369C13: got '99-87-6'
## Warning: Expecting logical in W3369 / R3369C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3369 / R3369C24: got '5.0'
## Warning: Expecting logical in Y3369 / R3369C25: got 'ug/L'
## Warning: Expecting logical in M3370 / R3370C13: got '106-43-4'
## Warning: Expecting logical in W3370 / R3370C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3370 / R3370C24: got '5.0'
## Warning: Expecting logical in Y3370 / R3370C25: got 'ug/L'
## Warning: Expecting logical in M3371 / R3371C13: got '7439-96-5'
## Warning: Expecting logical in W3371 / R3371C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3371 / R3371C24: got '10'
## Warning: Expecting logical in Y3371 / R3371C25: got 'ug/L'
## Warning: Expecting logical in M3372 / R3372C13: got '7440-23-5'
## Warning: Expecting logical in M3373 / R3373C13: got '7440-28-0'
## Warning: Expecting logical in W3373 / R3373C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3373 / R3373C24: got '1'
## Warning: Expecting logical in Y3373 / R3373C25: got 'ug/L'
## Warning: Expecting logical in M3374 / R3374C13: got '108-90-7'
## Warning: Expecting logical in W3374 / R3374C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3374 / R3374C24: got '5.0'
## Warning: Expecting logical in Y3374 / R3374C25: got 'ug/L'
## Warning: Expecting logical in M3375 / R3375C13: got '103-65-1'
```

```
## Warning: Expecting logical in W3375 / R3375C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3375 / R3375C24: got '5.0'
## Warning: Expecting logical in Y3375 / R3375C25: got 'ug/L'
## Warning: Expecting logical in M3376 / R3376C13: got '79-01-6'
## Warning: Expecting logical in W3376 / R3376C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3376 / R3376C24: got '5.0'
## Warning: Expecting logical in Y3376 / R3376C25: got 'ug/L'
## Warning: Expecting logical in M3377 / R3377C13: got '71-55-6'
## Warning: Expecting logical in W3377 / R3377C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3377 / R3377C24: got '5.0'
## Warning: Expecting logical in Y3377 / R3377C25: got 'ug/L'
## Warning: Expecting logical in M3378 / R3378C13: got '75-01-4'
## Warning: Expecting logical in W3378 / R3378C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3378 / R3378C24: got '5.0'
## Warning: Expecting logical in Y3378 / R3378C25: got 'ug/L'
## Warning: Expecting logical in M3379 / R3379C13: got '7440-09-7'
## Warning: Expecting logical in W3379 / R3379C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3379 / R3379C24: got '5000'
## Warning: Expecting logical in Y3379 / R3379C25: got 'ug/L'
## Warning: Expecting logical in M3380 / R3380C13: got '7440-22-4'
## Warning: Expecting logical in W3380 / R3380C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3380 / R3380C24: got '5'
## Warning: Expecting logical in Y3380 / R3380C25: got 'ug/L'
## Warning: Expecting logical in M3381 / R3381C13: got '7440-48-4'
```

```
## Warning: Expecting logical in W3381 / R3381C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3381 / R3381C24: got '10'
## Warning: Expecting logical in Y3381 / R3381C25: got 'ug/L'
## Warning: Expecting logical in M3382 / R3382C13: got '7440-38-2'
## Warning: Expecting logical in W3382 / R3382C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3382 / R3382C24: got '80'
## Warning: Expecting logical in Y3382 / R3382C25: got 'ug/L'
## Warning: Expecting logical in M3383 / R3383C13: got '10061-02-6'
## Warning: Expecting logical in W3383 / R3383C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3383 / R3383C24: got '5.0'
## Warning: Expecting logical in Y3383 / R3383C25: got 'ug/L'
## Warning: Expecting logical in M3384 / R3384C13: got '95-49-8'
## Warning: Expecting logical in W3384 / R3384C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3384 / R3384C24: got '5.0'
## Warning: Expecting logical in Y3384 / R3384C25: got 'ug/L'
## Warning: Expecting logical in M3385 / R3385C13: got '7440-36-0'
## Warning: Expecting logical in W3385 / R3385C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3385 / R3385C24: got '120'
## Warning: Expecting logical in Y3385 / R3385C25: got 'ug/L'
## Warning: Expecting logical in M3386 / R3386C13: got '7439-92-1'
## Warning: Expecting logical in W3386 / R3386C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3386 / R3386C24: got '90'
## Warning: Expecting logical in Y3386 / R3386C25: got 'ug/L'
## Warning: Expecting logical in M3387 / R3387C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R3387 / R3387C18: got 'as P'
## Warning: Expecting logical in W3387 / R3387C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3387 / R3387C24: got '0.02'
## Warning: Expecting logical in Y3387 / R3387C25: got 'mg/L'
## Warning: Expecting logical in M3388 / R3388C13: got '14808-79-8'
## Warning: Expecting logical in M3389 / R3389C13: got '7440-32-6'
## Warning: Expecting logical in W3389 / R3389C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3389 / R3389C24: got '10'
## Warning: Expecting logical in Y3389 / R3389C25: got 'ug/L'
## Warning: Expecting logical in M3390 / R3390C13: got '7440-61-1'
## Warning: Expecting logical in W3390 / R3390C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3390 / R3390C24: got '1'
## Warning: Expecting logical in Y3390 / R3390C25: got 'ug/L'
## Warning: Expecting logical in M3391 / R3391C13: got '7439-98-7'
## Warning: Expecting logical in W3391 / R3391C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3391 / R3391C24: got '5'
## Warning: Expecting logical in Y3391 / R3391C25: got 'ug/L'
## Warning: Expecting logical in M3392 / R3392C13: got '106-46-7'
## Warning: Expecting logical in W3392 / R3392C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3392 / R3392C24: got '5.0'
## Warning: Expecting logical in Y3392 / R3392C25: got 'ug/L'
## Warning: Expecting logical in M3393 / R3393C13: got '108-67-8'
## Warning: Expecting logical in W3393 / R3393C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3393 / R3393C24: got '5.0'
```

```
## Warning: Expecting logical in Y3393 / R3393C25: got 'ug/L'
## Warning: Expecting logical in M3394 / R3394C13: got '10061-01-5'
## Warning: Expecting logical in W3394 / R3394C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3394 / R3394C24: got '5.0'
## Warning: Expecting logical in Y3394 / R3394C25: got 'ug/L'
## Warning: Expecting logical in M3395 / R3395C13: got '107-06-2'
## Warning: Expecting logical in W3395 / R3395C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3395 / R3395C24: got '5.0'
## Warning: Expecting logical in Y3395 / R3395C25: got 'ug/L'
## Warning: Expecting logical in M3396 / R3396C13: got '71-43-2'
## Warning: Expecting logical in W3396 / R3396C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3396 / R3396C24: got '5.0'
## Warning: Expecting logical in Y3396 / R3396C25: got 'ug/L'
## Warning: Expecting logical in M3397 / R3397C13: got '7440-39-3'
## Warning: Expecting logical in M3398 / R3398C13: got '7440-22-4'
## Warning: Expecting logical in W3398 / R3398C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3398 / R3398C24: got '10'
## Warning: Expecting logical in Y3398 / R3398C25: got 'ug/L'
## Warning: Expecting logical in M3399 / R3399C13: got '7440-47-3'
## Warning: Expecting logical in W3399 / R3399C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3399 / R3399C24: got '20'
## Warning: Expecting logical in Y3399 / R3399C25: got 'ug/L'
## Warning: Expecting logical in M3400 / R3400C13: got '95-63-6'
## Warning: Expecting logical in W3400 / R3400C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3400 / R3400C24: got '5.0'
## Warning: Expecting logical in Y3400 / R3400C25: got 'ug/L'
## Warning: Expecting logical in M3401 / R3401C13: got '98-06-6'
## Warning: Expecting logical in W3401 / R3401C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3401 / R3401C24: got '5.0'
## Warning: Expecting logical in Y3401 / R3401C25: got 'ug/L'
## Warning: Expecting logical in M3402 / R3402C13: got '67-66-3'
## Warning: Expecting logical in W3402 / R3402C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3402 / R3402C24: got '5.0'
## Warning: Expecting logical in Y3402 / R3402C25: got 'ug/L'
## Warning: Expecting logical in M3403 / R3403C13: got '74-97-5'
## Warning: Expecting logical in W3403 / R3403C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3403 / R3403C24: got '5.0'
## Warning: Expecting logical in Y3403 / R3403C25: got 'ug/L'
## Warning: Expecting logical in M3404 / R3404C13: got '74-87-3'
## Warning: Expecting logical in W3404 / R3404C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3404 / R3404C24: got '5.0'
## Warning: Expecting logical in Y3404 / R3404C25: got 'ug/L'
## Warning: Expecting logical in M3405 / R3405C13: got '75-09-2'
## Warning: Expecting logical in W3405 / R3405C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3405 / R3405C24: got '5.0'
## Warning: Expecting logical in Y3405 / R3405C25: got 'ug/L'
## Warning: Expecting logical in M3406 / R3406C13: got '56-23-5'
## Warning: Expecting logical in W3406 / R3406C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3406 / R3406C24: got '5.0'
## Warning: Expecting logical in Y3406 / R3406C25: got 'ug/L'
## Warning: Expecting logical in M3407 / R3407C13: got '100-41-4'
## Warning: Expecting logical in W3407 / R3407C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3407 / R3407C24: got '5.0'
## Warning: Expecting logical in Y3407 / R3407C25: got 'ug/L'
## Warning: Expecting logical in M3408 / R3408C13: got '1330-20-7'
## Warning: Expecting logical in W3408 / R3408C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3408 / R3408C24: got '5.0'
## Warning: Expecting logical in Y3408 / R3408C25: got 'ug/L'
## Warning: Expecting logical in M3409 / R3409C13: got '7440-47-3'
## Warning: Expecting logical in W3409 / R3409C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3409 / R3409C24: got '5'
## Warning: Expecting logical in Y3409 / R3409C25: got 'ug/L'
## Warning: Expecting logical in M3410 / R3410C13: got '7440-62-2'
## Warning: Expecting logical in W3410 / R3410C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3410 / R3410C24: got '10'
## Warning: Expecting logical in Y3410 / R3410C25: got 'ug/L'
## Warning: Expecting logical in M3411 / R3411C13: got '7440-66-6'
## Warning: Expecting logical in W3411 / R3411C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3411 / R3411C24: got '10'
## Warning: Expecting logical in Y3411 / R3411C25: got 'ug/L'
## Warning: Expecting logical in M3412 / R3412C13: got '7440-50-8'
## Warning: Expecting logical in W3412 / R3412C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X3412 / R3412C24: got '5'
## Warning: Expecting logical in Y3412 / R3412C25: got 'ug/L'
## Warning: Expecting logical in M3413 / R3413C13: got '7440-70-2'
## Warning: Expecting logical in M3414 / R3414C13: got '7440-02-0'
## Warning: Expecting logical in W3414 / R3414C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3414 / R3414C24: got '20'
## Warning: Expecting logical in Y3414 / R3414C25: got 'ug/L'
## Warning: Expecting logical in M3415 / R3415C13: got '7440-39-3'
## Warning: Expecting logical in M3416 / R3416C13: got '91-20-3'
## Warning: Expecting logical in W3416 / R3416C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3416 / R3416C24: got '5.0'
## Warning: Expecting logical in Y3416 / R3416C25: got 'ug/L'
## Warning: Expecting logical in M3417 / R3417C13: got '75-25-2'
## Warning: Expecting logical in W3417 / R3417C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3417 / R3417C24: got '5.0'
## Warning: Expecting logical in Y3417 / R3417C25: got 'ug/L'
## Warning: Expecting logical in M3418 / R3418C13: got '79-00-5'
## Warning: Expecting logical in W3418 / R3418C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3418 / R3418C24: got '5.0'
## Warning: Expecting logical in Y3418 / R3418C25: got 'ug/L'
## Warning: Expecting logical in M3419 / R3419C13: got '156-59-2'
## Warning: Expecting logical in W3419 / R3419C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3419 / R3419C24: got '5.0'
## Warning: Expecting logical in Y3419 / R3419C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3420 / R3420C13: got '75-34-3'
## Warning: Expecting logical in W3420 / R3420C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3420 / R3420C24: got '5.0'
## Warning: Expecting logical in Y3420 / R3420C25: got 'ug/L'
## Warning: Expecting logical in M3421 / R3421C13: got '98-82-8'
## Warning: Expecting logical in W3421 / R3421C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3421 / R3421C24: got '5.0'
## Warning: Expecting logical in Y3421 / R3421C25: got 'ug/L'
## Warning: Expecting logical in M3422 / R3422C13: got '108-86-1'
## Warning: Expecting logical in W3422 / R3422C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3422 / R3422C24: got '5.0'
## Warning: Expecting logical in Y3422 / R3422C25: got 'ug/L'
## Warning: Expecting logical in M3423 / R3423C13: got '120-82-1'
## Warning: Expecting logical in W3423 / R3423C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3423 / R3423C24: got '5.0'
## Warning: Expecting logical in Y3423 / R3423C25: got 'ug/L'
## Warning: Expecting logical in M3424 / R3424C13: got '87-68-3'
## Warning: Expecting logical in W3424 / R3424C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3424 / R3424C24: got '5.0'
## Warning: Expecting logical in Y3424 / R3424C25: got 'ug/L'
## Warning: Expecting logical in M3425 / R3425C13: got '78-87-5'
## Warning: Expecting logical in W3425 / R3425C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3425 / R3425C24: got '5.0'
## Warning: Expecting logical in Y3425 / R3425C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3426 / R3426C13: got '7439-95-4'
## Warning: Expecting logical in R3427 / R3427C18: got 'as N'
## Warning: Expecting logical in W3427 / R3427C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3427 / R3427C24: got '0.02'
## Warning: Expecting logical in Y3427 / R3427C25: got 'mg/L'
## Warning: Expecting logical in M3428 / R3428C13: got '7440-50-8'
## Warning: Expecting logical in W3428 / R3428C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3428 / R3428C24: got '20'
## Warning: Expecting logical in Y3428 / R3428C25: got 'ug/L'
## Warning: Expecting logical in M3429 / R3429C13: got '79-34-5'
## Warning: Expecting logical in W3429 / R3429C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3429 / R3429C24: got '5.0'
## Warning: Expecting logical in Y3429 / R3429C25: got 'ug/L'
## Warning: Expecting logical in M3430 / R3430C13: got '142-28-9'
## Warning: Expecting logical in W3430 / R3430C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3430 / R3430C24: got '5.0'
## Warning: Expecting logical in Y3430 / R3430C25: got 'ug/L'
## Warning: Expecting logical in M3431 / R3431C13: got '127-18-4'
## Warning: Expecting logical in W3431 / R3431C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3431 / R3431C24: got '5.0'
## Warning: Expecting logical in Y3431 / R3431C25: got 'ug/L'
## Warning: Expecting logical in M3432 / R3432C13: got '135-98-8'
## Warning: Expecting logical in W3432 / R3432C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3432 / R3432C24: got '5.0'
```

```
## Warning: Expecting logical in Y3432 / R3432C25: got 'ug/L'
## Warning: Expecting logical in M3433 / R3433C13: got '95-50-1'
## Warning: Expecting logical in W3433 / R3433C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3433 / R3433C24: got '5.0'
## Warning: Expecting logical in Y3433 / R3433C25: got 'ug/L'
## Warning: Expecting logical in M3434 / R3434C13: got '7782-49-2'
## Warning: Expecting logical in W3434 / R3434C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3434 / R3434C24: got '5'
## Warning: Expecting logical in Y3434 / R3434C25: got 'ug/L'
## Warning: Expecting logical in M3435 / R3435C13: got '74-95-3'
## Warning: Expecting logical in W3435 / R3435C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3435 / R3435C24: got '5.0'
## Warning: Expecting logical in Y3435 / R3435C25: got 'ug/L'
## Warning: Expecting logical in M3436 / R3436C13: got '74-83-9'
## Warning: Expecting logical in W3436 / R3436C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3436 / R3436C24: got '5.0'
## Warning: Expecting logical in Y3436 / R3436C25: got 'ug/L'
## Warning: Expecting logical in M3437 / R3437C13: got '7440-66-6'
## Warning: Expecting logical in W3437 / R3437C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3437 / R3437C24: got '20'
## Warning: Expecting logical in Y3437 / R3437C25: got 'ug/L'
## Warning: Expecting logical in M3438 / R3438C13: got '7440-43-9'
## Warning: Expecting logical in W3438 / R3438C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3438 / R3438C24: got '10'
```

```
## Warning: Expecting logical in Y3438 / R3438C25: got 'ug/L'
## Warning: Expecting logical in M3439 / R3439C13: got '75-27-4'
## Warning: Expecting logical in W3439 / R3439C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3439 / R3439C24: got '5.0'
## Warning: Expecting logical in Y3439 / R3439C25: got 'ug/L'
## Warning: Expecting logical in M3440 / R3440C13: got '563-58-6'
## Warning: Expecting logical in W3440 / R3440C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3440 / R3440C24: got '5.0'
## Warning: Expecting logical in Y3440 / R3440C25: got 'ug/L'
## Warning: Expecting logical in M3441 / R3441C13: got '75-35-4'
## Warning: Expecting logical in W3441 / R3441C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3441 / R3441C24: got '5.0'
## Warning: Expecting logical in Y3441 / R3441C25: got 'ug/L'
## Warning: Expecting logical in M3442 / R3442C13: got '7782-49-2'
## Warning: Expecting logical in W3442 / R3442C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3442 / R3442C24: got '190'
## Warning: Expecting logical in Y3442 / R3442C25: got 'ug/L'
## Warning: Expecting logical in M3443 / R3443C13: got '7429-90-5'
## Warning: Expecting logical in W3443 / R3443C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3443 / R3443C24: got '50'
## Warning: Expecting logical in Y3443 / R3443C25: got 'ug/L'
## Warning: Expecting logical in M3444 / R3444C13: got '7440-43-9'
## Warning: Expecting logical in W3444 / R3444C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3444 / R3444C24: got '0.7'
```

```
## Warning: Expecting logical in Y3444 / R3444C25: got 'ug/L'
## Warning: Expecting logical in M3445 / R3445C13: got '7439-89-6'
## Warning: Expecting logical in W3445 / R3445C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3445 / R3445C24: got '20'
## Warning: Expecting logical in Y3445 / R3445C25: got 'ug/L'
## Warning: Expecting logical in M3446 / R3446C13: got '87-61-6'
## Warning: Expecting logical in W3446 / R3446C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3446 / R3446C24: got '5.0'
## Warning: Expecting logical in Y3446 / R3446C25: got 'ug/L'
## Warning: Expecting logical in M3447 / R3447C13: got '630-20-6'
## Warning: Expecting logical in W3447 / R3447C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3447 / R3447C24: got '5.0'
## Warning: Expecting logical in Y3447 / R3447C25: got 'ug/L'
## Warning: Expecting logical in M3448 / R3448C13: got '106-93-4'
## Warning: Expecting logical in W3448 / R3448C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3448 / R3448C24: got '5.0'
## Warning: Expecting logical in Y3448 / R3448C25: got 'ug/L'
## Warning: Expecting logical in M3449 / R3449C13: got '7429-90-5'
## Warning: Expecting logical in W3449 / R3449C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3449 / R3449C24: got '100'
## Warning: Expecting logical in Y3449 / R3449C25: got 'ug/L'
## Warning: Expecting logical in M3450 / R3450C13: got '16887-00-6'
## Warning: Expecting logical in W3450 / R3450C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3450 / R3450C24: got '10'
```

```
## Warning: Expecting logical in Y3450 / R3450C25: got 'mg/L'
## Warning: Expecting logical in M3451 / R3451C13: got '75-71-8'
## Warning: Expecting logical in W3451 / R3451C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3451 / R3451C24: got '5.0'
## Warning: Expecting logical in Y3451 / R3451C25: got 'ug/L'
## Warning: Expecting logical in M3452 / R3452C13: got '7440-31-5'
## Warning: Expecting logical in W3452 / R3452C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3452 / R3452C24: got '30'
## Warning: Expecting logical in Y3452 / R3452C25: got 'ug/L'
## Warning: Expecting logical in M3453 / R3453C13: got '7440-36-0'
## Warning: Expecting logical in W3453 / R3453C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3453 / R3453C24: got '5'
## Warning: Expecting logical in Y3453 / R3453C25: got 'ug/L'
## Warning: Expecting logical in M3454 / R3454C13: got '7440-28-0'
## Warning: Expecting logical in W3454 / R3454C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3454 / R3454C24: got '200'
## Warning: Expecting logical in Y3454 / R3454C25: got 'ug/L'
## Warning: Expecting logical in M3455 / R3455C13: got '96-12-8'
## Warning: Expecting logical in W3455 / R3455C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3455 / R3455C24: got '5.0'
## Warning: Expecting logical in Y3455 / R3455C25: got 'ug/L'
## Warning: Expecting logical in M3456 / R3456C13: got '1634-04-4'
## Warning: Expecting logical in W3456 / R3456C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3456 / R3456C24: got '5.0'
```

```
## Warning: Expecting logical in Y3456 / R3456C25: got 'ug/L'
## Warning: Expecting logical in M3457 / R3457C13: got '541-73-1'
## Warning: Expecting logical in W3457 / R3457C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3457 / R3457C24: got '5.0'
## Warning: Expecting logical in Y3457 / R3457C25: got 'ug/L'
## Warning: Expecting logical in M3458 / R3458C13: got '108-88-3'
## Warning: Expecting logical in W3458 / R3458C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3458 / R3458C24: got '5.0'
## Warning: Expecting logical in Y3458 / R3458C25: got 'ug/L'
## Warning: Expecting logical in M3459 / R3459C13: got '156-60-5'
## Warning: Expecting logical in W3459 / R3459C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3459 / R3459C24: got '5.0'
## Warning: Expecting logical in Y3459 / R3459C25: got 'ug/L'
## Warning: Expecting logical in M3460 / R3460C13: got '104-51-8'
## Warning: Expecting logical in W3460 / R3460C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3460 / R3460C24: got '5.0'
## Warning: Expecting logical in Y3460 / R3460C25: got 'ug/L'
## Warning: Expecting logical in M3461 / R3461C13: got '75-00-3'
## Warning: Expecting logical in W3461 / R3461C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3461 / R3461C24: got '5.0'
## Warning: Expecting logical in Y3461 / R3461C25: got 'ug/L'
## Warning: Expecting logical in M3462 / R3462C13: got '75-01-4'
## Warning: Expecting logical in W3462 / R3462C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3462 / R3462C24: got '5.0'
```

```
## Warning: Expecting logical in Y3462 / R3462C25: got 'ug/L'
## Warning: Expecting logical in M3463 / R3463C13: got '107-06-2'
## Warning: Expecting logical in W3463 / R3463C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3463 / R3463C24: got '5.0'
## Warning: Expecting logical in Y3463 / R3463C25: got 'ug/L'
## Warning: Expecting logical in M3464 / R3464C13: got '7439-92-1'
## Warning: Expecting logical in W3464 / R3464C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3464 / R3464C24: got '1'
## Warning: Expecting logical in Y3464 / R3464C25: got 'ug/L'
## Warning: Expecting logical in M3465 / R3465C13: got '7440-50-8'
## Warning: Expecting logical in W3465 / R3465C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3465 / R3465C24: got '5'
## Warning: Expecting logical in Y3465 / R3465C25: got 'ug/L'
## Warning: Expecting logical in M3466 / R3466C13: got '87-68-3'
## Warning: Expecting logical in W3466 / R3466C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3466 / R3466C24: got '5.0'
## Warning: Expecting logical in Y3466 / R3466C25: got 'ug/L'
## Warning: Expecting logical in M3467 / R3467C13: got '120-82-1'
## Warning: Expecting logical in W3467 / R3467C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3467 / R3467C24: got '5.0'
## Warning: Expecting logical in Y3467 / R3467C25: got 'ug/L'
## Warning: Expecting logical in M3468 / R3468C13: got '7440-28-0'
## Warning: Expecting logical in W3468 / R3468C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3468 / R3468C24: got '1'
```

```
## Warning: Expecting logical in Y3468 / R3468C25: got 'ug/L'
## Warning: Expecting logical in M3469 / R3469C13: got '7440-23-5'
## Warning: Expecting logical in M3470 / R3470C13: got '156-60-5'
## Warning: Expecting logical in W3470 / R3470C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3470 / R3470C24: got '5.0'
## Warning: Expecting logical in Y3470 / R3470C25: got 'ug/L'
## Warning: Expecting logical in R3471 / R3471C18: got 'as N'
## Warning: Expecting logical in W3471 / R3471C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3471 / R3471C24: got '0.02'
## Warning: Expecting logical in Y3471 / R3471C25: got 'mg/L'
## Warning: Expecting logical in M3472 / R3472C13: got '71-55-6'
## Warning: Expecting logical in W3472 / R3472C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3472 / R3472C24: got '5.0'
## Warning: Expecting logical in Y3472 / R3472C25: got 'ug/L'
## Warning: Expecting logical in M3473 / R3473C13: got '563-58-6'
## Warning: Expecting logical in W3473 / R3473C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3473 / R3473C24: got '5.0'
## Warning: Expecting logical in Y3473 / R3473C25: got 'ug/L'
## Warning: Expecting logical in M3474 / R3474C13: got '100-41-4'
## Warning: Expecting logical in W3474 / R3474C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3474 / R3474C24: got '5.0'
## Warning: Expecting logical in Y3474 / R3474C25: got 'ug/L'
## Warning: Expecting logical in M3475 / R3475C13: got '7439-92-1'
## Warning: Expecting logical in W3475 / R3475C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3475 / R3475C24: got '90'
## Warning: Expecting logical in Y3475 / R3475C25: got 'ug/L'
## Warning: Expecting logical in M3476 / R3476C13: got '7440-43-9'
## Warning: Expecting logical in W3476 / R3476C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3476 / R3476C24: got '0.7'
## Warning: Expecting logical in Y3476 / R3476C25: got 'ug/L'
## Warning: Expecting logical in M3477 / R3477C13: got '7440-43-9'
## Warning: Expecting logical in W3477 / R3477C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3477 / R3477C24: got '10'
## Warning: Expecting logical in Y3477 / R3477C25: got 'ug/L'
## Warning: Expecting logical in M3478 / R3478C13: got '7440-70-2'
## Warning: Expecting logical in M3479 / R3479C13: got '142-28-9'
## Warning: Expecting logical in W3479 / R3479C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3479 / R3479C24: got '5.0'
## Warning: Expecting logical in Y3479 / R3479C25: got 'ug/L'
## Warning: Expecting logical in M3480 / R3480C13: got '74-83-9'
## Warning: Expecting logical in W3480 / R3480C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3480 / R3480C24: got '5.0'
## Warning: Expecting logical in Y3480 / R3480C25: got 'ug/L'
## Warning: Expecting logical in M3481 / R3481C13: got '75-25-2'
## Warning: Expecting logical in W3481 / R3481C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3481 / R3481C24: got '5.0'
## Warning: Expecting logical in Y3481 / R3481C25: got 'ug/L'
## Warning: Expecting logical in M3482 / R3482C13: got '100-42-5'
```

```
## Warning: Expecting logical in W3482 / R3482C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3482 / R3482C24: got '5.0'
## Warning: Expecting logical in Y3482 / R3482C25: got 'ug/L'
## Warning: Expecting logical in M3483 / R3483C13: got '124-48-1'
## Warning: Expecting logical in W3483 / R3483C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3483 / R3483C24: got '5.0'
## Warning: Expecting logical in Y3483 / R3483C25: got 'ug/L'
## Warning: Expecting logical in M3484 / R3484C13: got '78-87-5'
## Warning: Expecting logical in W3484 / R3484C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3484 / R3484C24: got '5.0'
## Warning: Expecting logical in Y3484 / R3484C25: got 'ug/L'
## Warning: Expecting logical in M3485 / R3485C13: got '14808-79-8'
## Warning: Expecting logical in W3485 / R3485C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3485 / R3485C24: got '10'
## Warning: Expecting logical in Y3485 / R3485C25: got 'mg/L'
## Warning: Expecting logical in M3486 / R3486C13: got '7440-47-3'
## Warning: Expecting logical in W3486 / R3486C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3486 / R3486C24: got '5'
## Warning: Expecting logical in Y3486 / R3486C25: got 'ug/L'
## Warning: Expecting logical in M3487 / R3487C13: got '7439-95-4'
## Warning: Expecting logical in M3488 / R3488C13: got '7440-32-6'
## Warning: Expecting logical in W3488 / R3488C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3488 / R3488C24: got '10'
## Warning: Expecting logical in Y3488 / R3488C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3489 / R3489C13: got '99-87-6'
## Warning: Expecting logical in W3489 / R3489C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3489 / R3489C24: got '5.0'
## Warning: Expecting logical in Y3489 / R3489C25: got 'ug/L'
## Warning: Expecting logical in M3490 / R3490C13: got '1634-04-4'
## Warning: Expecting logical in W3490 / R3490C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3490 / R3490C24: got '5.0'
## Warning: Expecting logical in Y3490 / R3490C25: got 'ug/L'
## Warning: Expecting logical in M3491 / R3491C13: got '7440-47-3'
## Warning: Expecting logical in W3491 / R3491C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3491 / R3491C24: got '20'
## Warning: Expecting logical in Y3491 / R3491C25: got 'ug/L'
## Warning: Expecting logical in M3492 / R3492C13: got '7440-28-0'
## Warning: Expecting logical in W3492 / R3492C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3492 / R3492C24: got '200'
## Warning: Expecting logical in Y3492 / R3492C25: got 'ug/L'
## Warning: Expecting logical in M3493 / R3493C13: got '7782-49-2'
## Warning: Expecting logical in W3493 / R3493C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3493 / R3493C24: got '5'
## Warning: Expecting logical in Y3493 / R3493C25: got 'ug/L'
## Warning: Expecting logical in M3494 / R3494C13: got '7440-41-7'
## Warning: Expecting logical in W3494 / R3494C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3494 / R3494C24: got '10'
## Warning: Expecting logical in Y3494 / R3494C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3495 / R3495C13: got '127-18-4'
## Warning: Expecting logical in W3495 / R3495C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3495 / R3495C24: got '5.0'
## Warning: Expecting logical in Y3495 / R3495C25: got 'ug/L'
## Warning: Expecting logical in M3496 / R3496C13: got '74-97-5'
## Warning: Expecting logical in W3496 / R3496C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3496 / R3496C24: got '5.0'
## Warning: Expecting logical in Y3496 / R3496C25: got 'ug/L'
## Warning: Expecting logical in M3497 / R3497C13: got '7439-98-7'
## Warning: Expecting logical in W3497 / R3497C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3497 / R3497C24: got '5'
## Warning: Expecting logical in Y3497 / R3497C25: got 'ug/L'
## Warning: Expecting logical in M3498 / R3498C13: got '7429-90-5'
## Warning: Expecting logical in W3498 / R3498C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3498 / R3498C24: got '100'
## Warning: Expecting logical in Y3498 / R3498C25: got 'ug/L'
## Warning: Expecting logical in M3499 / R3499C13: got '7440-02-0'
## Warning: Expecting logical in W3499 / R3499C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3499 / R3499C24: got '20'
## Warning: Expecting logical in Y3499 / R3499C25: got 'ug/L'
## Warning: Expecting logical in M3500 / R3500C13: got '103-65-1'
## Warning: Expecting logical in W3500 / R3500C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3500 / R3500C24: got '5.0'
## Warning: Expecting logical in Y3500 / R3500C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3501 / R3501C13: got '25735-29-9'
## Warning: Expecting logical in W3501 / R3501C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3501 / R3501C24: got '5.0'
## Warning: Expecting logical in Y3501 / R3501C25: got 'ug/L'
## Warning: Expecting logical in M3502 / R3502C13: got '10061-01-5'
## Warning: Expecting logical in W3502 / R3502C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3502 / R3502C24: got '5.0'
## Warning: Expecting logical in Y3502 / R3502C25: got 'ug/L'
## Warning: Expecting logical in M3503 / R3503C13: got '108-88-3'
## Warning: Expecting logical in W3503 / R3503C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3503 / R3503C24: got '5.0'
## Warning: Expecting logical in Y3503 / R3503C25: got 'ug/L'
## Warning: Expecting logical in M3504 / R3504C13: got '541-73-1'
## Warning: Expecting logical in W3504 / R3504C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3504 / R3504C24: got '5.0'
## Warning: Expecting logical in Y3504 / R3504C25: got 'ug/L'
## Warning: Expecting logical in M3505 / R3505C13: got '7782-49-2'
## Warning: Expecting logical in W3505 / R3505C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3505 / R3505C24: got '190'
## Warning: Expecting logical in Y3505 / R3505C25: got 'ug/L'
## Warning: Expecting logical in M3506 / R3506C13: got '7440-02-0'
## Warning: Expecting logical in W3506 / R3506C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3506 / R3506C24: got '10'
## Warning: Expecting logical in Y3506 / R3506C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3507 / R3507C13: got '7440-66-6'
## Warning: Expecting logical in W3507 / R3507C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3507 / R3507C24: got '10'
## Warning: Expecting logical in Y3507 / R3507C25: got 'ug/L'
## Warning: Expecting logical in M3508 / R3508C13: got '74-87-3'
## Warning: Expecting logical in W3508 / R3508C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3508 / R3508C24: got '5.0'
## Warning: Expecting logical in Y3508 / R3508C25: got 'ug/L'
## Warning: Expecting logical in M3509 / R3509C13: got '79-01-6'
## Warning: Expecting logical in W3509 / R3509C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3509 / R3509C24: got '5.0'
## Warning: Expecting logical in Y3509 / R3509C25: got 'ug/L'
## Warning: Expecting logical in M3510 / R3510C13: got '98-06-6'
## Warning: Expecting logical in W3510 / R3510C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3510 / R3510C24: got '5.0'
## Warning: Expecting logical in Y3510 / R3510C25: got 'ug/L'
## Warning: Expecting logical in M3511 / R3511C13: got '7440-22-4'
## Warning: Expecting logical in W3511 / R3511C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3511 / R3511C24: got '10'
## Warning: Expecting logical in Y3511 / R3511C25: got 'ug/L'
## Warning: Expecting logical in M3512 / R3512C13: got '7440-38-2'
## Warning: Expecting logical in W3512 / R3512C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3512 / R3512C24: got '5'
## Warning: Expecting logical in Y3512 / R3512C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3513 / R3513C13: got '108-67-8'
## Warning: Expecting logical in W3513 / R3513C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3513 / R3513C24: got '5.0'
## Warning: Expecting logical in Y3513 / R3513C25: got 'ug/L'
## Warning: Expecting logical in M3514 / R3514C13: got '91-20-3'
## Warning: Expecting logical in W3514 / R3514C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3514 / R3514C24: got '5.0'
## Warning: Expecting logical in Y3514 / R3514C25: got 'ug/L'
## Warning: Expecting logical in M3515 / R3515C13: got '7440-38-2'
## Warning: Expecting logical in W3515 / R3515C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3515 / R3515C24: got '80'
## Warning: Expecting logical in Y3515 / R3515C25: got 'ug/L'
## Warning: Expecting logical in M3516 / R3516C13: got '7439-96-5'
## Warning: Expecting logical in M3517 / R3517C13: got '75-00-3'
## Warning: Expecting logical in W3517 / R3517C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3517 / R3517C24: got '5.0'
## Warning: Expecting logical in Y3517 / R3517C25: got 'ug/L'
## Warning: Expecting logical in M3518 / R3518C13: got '75-09-2'
## Warning: Expecting logical in W3518 / R3518C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3518 / R3518C24: got '5.0'
## Warning: Expecting logical in Y3518 / R3518C25: got 'ug/L'
## Warning: Expecting logical in M3519 / R3519C13: got '10061-02-6'
## Warning: Expecting logical in W3519 / R3519C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3519 / R3519C24: got '5.0'
```

```
## Warning: Expecting logical in Y3519 / R3519C25: got 'ug/L'
## Warning: Expecting logical in M3520 / R3520C13: got '106-46-7'
## Warning: Expecting logical in W3520 / R3520C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3520 / R3520C24: got '5.0'
## Warning: Expecting logical in Y3520 / R3520C25: got 'ug/L'
## Warning: Expecting logical in M3521 / R3521C13: got '106-43-4'
## Warning: Expecting logical in W3521 / R3521C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3521 / R3521C24: got '5.0'
## Warning: Expecting logical in Y3521 / R3521C25: got 'ug/L'
## Warning: Expecting logical in M3522 / R3522C13: got '95-63-6'
## Warning: Expecting logical in W3522 / R3522C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3522 / R3522C24: got '5.0'
## Warning: Expecting logical in Y3522 / R3522C25: got 'ug/L'
## Warning: Expecting logical in M3523 / R3523C13: got '7440-39-3'
## Warning: Expecting logical in M3524 / R3524C13: got '7439-89-6'
## Warning: Expecting logical in W3524 / R3524C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3524 / R3524C24: got '20'
## Warning: Expecting logical in Y3524 / R3524C25: got 'ug/L'
## Warning: Expecting logical in M3525 / R3525C13: got '87-61-6'
## Warning: Expecting logical in W3525 / R3525C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3525 / R3525C24: got '5.0'
## Warning: Expecting logical in Y3525 / R3525C25: got 'ug/L'
## Warning: Expecting logical in M3526 / R3526C13: got '16887-00-6'
## Warning: Expecting logical in W3526 / R3526C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3526 / R3526C24: got '10'
## Warning: Expecting logical in Y3526 / R3526C25: got 'mg/L'
## Warning: Expecting logical in M3527 / R3527C13: got '7440-61-1'
## Warning: Expecting logical in W3527 / R3527C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3527 / R3527C24: got '1'
## Warning: Expecting logical in Y3527 / R3527C25: got 'ug/L'
## Warning: Expecting logical in M3528 / R3528C13: got '7440-31-5'
## Warning: Expecting logical in W3528 / R3528C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3528 / R3528C24: got '30'
## Warning: Expecting logical in Y3528 / R3528C25: got 'ug/L'
## Warning: Expecting logical in M3529 / R3529C13: got '7440-48-4'
## Warning: Expecting logical in W3529 / R3529C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3529 / R3529C24: got '10'
## Warning: Expecting logical in Y3529 / R3529C25: got 'ug/L'
## Warning: Expecting logical in M3530 / R3530C13: got '7440-36-0'
## Warning: Expecting logical in W3530 / R3530C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3530 / R3530C24: got '5'
## Warning: Expecting logical in Y3530 / R3530C25: got 'ug/L'
## Warning: Expecting logical in M3531 / R3531C13: got '96-12-8'
## Warning: Expecting logical in W3531 / R3531C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3531 / R3531C24: got '5.0'
## Warning: Expecting logical in Y3531 / R3531C25: got 'ug/L'
## Warning: Expecting logical in M3532 / R3532C13: got '104-51-8'
## Warning: Expecting logical in W3532 / R3532C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3532 / R3532C24: got '5.0'
## Warning: Expecting logical in Y3532 / R3532C25: got 'ug/L'
## Warning: Expecting logical in M3533 / R3533C13: got '79-34-5'
## Warning: Expecting logical in W3533 / R3533C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3533 / R3533C24: got '5.0'
## Warning: Expecting logical in Y3533 / R3533C25: got 'ug/L'
## Warning: Expecting logical in M3534 / R3534C13: got '108-90-7'
## Warning: Expecting logical in W3534 / R3534C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3534 / R3534C24: got '5.0'
## Warning: Expecting logical in Y3534 / R3534C25: got 'ug/L'
## Warning: Expecting logical in M3535 / R3535C13: got '594-20-7'
## Warning: Expecting logical in W3535 / R3535C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3535 / R3535C24: got '5.0'
## Warning: Expecting logical in Y3535 / R3535C25: got 'ug/L'
## Warning: Expecting logical in M3536 / R3536C13: got '71-43-2'
## Warning: Expecting logical in W3536 / R3536C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3536 / R3536C24: got '5.0'
## Warning: Expecting logical in Y3536 / R3536C25: got 'ug/L'
## Warning: Expecting logical in M3537 / R3537C13: got '106-93-4'
## Warning: Expecting logical in W3537 / R3537C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3537 / R3537C24: got '5.0'
## Warning: Expecting logical in Y3537 / R3537C25: got 'ug/L'
## Warning: Expecting logical in M3538 / R3538C13: got '630-20-6'
## Warning: Expecting logical in W3538 / R3538C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3538 / R3538C24: got '5.0'
## Warning: Expecting logical in Y3538 / R3538C25: got 'ug/L'
## Warning: Expecting logical in M3539 / R3539C13: got '98-82-8'
## Warning: Expecting logical in W3539 / R3539C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3539 / R3539C24: got '5.0'
## Warning: Expecting logical in Y3539 / R3539C25: got 'ug/L'
## Warning: Expecting logical in M3540 / R3540C13: got '95-49-8'
## Warning: Expecting logical in W3540 / R3540C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3540 / R3540C24: got '5.0'
## Warning: Expecting logical in Y3540 / R3540C25: got 'ug/L'
## Warning: Expecting logical in M3541 / R3541C13: got '135-98-8'
## Warning: Expecting logical in W3541 / R3541C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3541 / R3541C24: got '5.0'
## Warning: Expecting logical in Y3541 / R3541C25: got 'ug/L'
## Warning: Expecting logical in M3542 / R3542C13: got '7440-22-4'
## Warning: Expecting logical in W3542 / R3542C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3542 / R3542C24: got '5'
## Warning: Expecting logical in Y3542 / R3542C25: got 'ug/L'
## Warning: Expecting logical in M3543 / R3543C13: got '7440-09-7'
## Warning: Expecting logical in W3543 / R3543C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3543 / R3543C24: got '5000'
## Warning: Expecting logical in Y3543 / R3543C25: got 'ug/L'
## Warning: Expecting logical in M3544 / R3544C13: got '7440-39-3'
## Warning: Expecting logical in M3545 / R3545C13: got '16984-48-8'
```

```
## Warning: Expecting logical in M3546 / R3546C13: got '79-00-5'
## Warning: Expecting logical in W3546 / R3546C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3546 / R3546C24: got '5.0'
## Warning: Expecting logical in Y3546 / R3546C25: got 'ug/L'
## Warning: Expecting logical in M3547 / R3547C13: got '74-95-3'
## Warning: Expecting logical in W3547 / R3547C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3547 / R3547C24: got '5.0'
## Warning: Expecting logical in Y3547 / R3547C25: got 'ug/L'
## Warning: Expecting logical in M3548 / R3548C13: got '56-23-5'
## Warning: Expecting logical in W3548 / R3548C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3548 / R3548C24: got '5.0'
## Warning: Expecting logical in Y3548 / R3548C25: got 'ug/L'
## Warning: Expecting logical in M3549 / R3549C13: got '75-35-4'
## Warning: Expecting logical in W3549 / R3549C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3549 / R3549C24: got '5.0'
## Warning: Expecting logical in Y3549 / R3549C25: got 'ug/L'
## Warning: Expecting logical in M3550 / R3550C13: got '7440-66-6'
## Warning: Expecting logical in W3550 / R3550C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3550 / R3550C24: got '20'
## Warning: Expecting logical in Y3550 / R3550C25: got 'ug/L'
## Warning: Expecting logical in M3551 / R3551C13: got '75-27-4'
## Warning: Expecting logical in W3551 / R3551C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3551 / R3551C24: got '5.0'
## Warning: Expecting logical in Y3551 / R3551C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3552 / R3552C13: got '1330-20-7'
## Warning: Expecting logical in W3552 / R3552C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3552 / R3552C24: got '5.0'
## Warning: Expecting logical in Y3552 / R3552C25: got 'ug/L'
## Warning: Expecting logical in M3553 / R3553C13: got '108-86-1'
## Warning: Expecting logical in W3553 / R3553C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3553 / R3553C24: got '5.0'
## Warning: Expecting logical in Y3553 / R3553C25: got 'ug/L'
## Warning: Expecting logical in M3554 / R3554C13: got '95-50-1'
## Warning: Expecting logical in W3554 / R3554C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3554 / R3554C24: got '5.0'
## Warning: Expecting logical in Y3554 / R3554C25: got 'ug/L'
## Warning: Expecting logical in M3555 / R3555C13: got '7440-36-0'
## Warning: Expecting logical in W3555 / R3555C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3555 / R3555C24: got '120'
## Warning: Expecting logical in Y3555 / R3555C25: got 'ug/L'
## Warning: Expecting logical in M3556 / R3556C13: got '7723-14-0'
## Warning: Expecting logical in R3556 / R3556C18: got 'as P'
## Warning: Expecting logical in M3557 / R3557C13: got '7440-50-8'
## Warning: Expecting logical in W3557 / R3557C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3557 / R3557C24: got '20'
## Warning: Expecting logical in Y3557 / R3557C25: got 'ug/L'
## Warning: Expecting logical in M3558 / R3558C13: got '75-69-4'
## Warning: Expecting logical in W3558 / R3558C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3558 / R3558C24: got '5.0'
## Warning: Expecting logical in Y3558 / R3558C25: got 'ug/L'
## Warning: Expecting logical in M3559 / R3559C13: got '75-71-8'
## Warning: Expecting logical in W3559 / R3559C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3559 / R3559C24: got '5.0'
## Warning: Expecting logical in Y3559 / R3559C25: got 'ug/L'
## Warning: Expecting logical in M3560 / R3560C13: got '75-34-3'
## Warning: Expecting logical in W3560 / R3560C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3560 / R3560C24: got '5.0'
## Warning: Expecting logical in Y3560 / R3560C25: got 'ug/L'
## Warning: Expecting logical in M3561 / R3561C13: got '7429-90-5'
## Warning: Expecting logical in W3561 / R3561C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3561 / R3561C24: got '50'
## Warning: Expecting logical in Y3561 / R3561C25: got 'ug/L'
## Warning: Expecting logical in M3562 / R3562C13: got '67-66-3'
## Warning: Expecting logical in W3562 / R3562C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3562 / R3562C24: got '5.0'
## Warning: Expecting logical in Y3562 / R3562C25: got 'ug/L'
## Warning: Expecting logical in M3563 / R3563C13: got '156-59-2'
## Warning: Expecting logical in W3563 / R3563C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3563 / R3563C24: got '5.0'
## Warning: Expecting logical in Y3563 / R3563C25: got 'ug/L'
## Warning: Expecting logical in M3564 / R3564C13: got '7440-62-2'
## Warning: Expecting logical in W3564 / R3564C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3564 / R3564C24: got '10'
## Warning: Expecting logical in Y3564 / R3564C25: got 'ug/L'
## Warning: Expecting logical in R3567 / R3567C18: got 'as CaCO3'
## Warning: Expecting logical in M3568 / R3568C13: got '7723-14-0'
## Warning: Expecting logical in R3568 / R3568C18: got 'as P'
## Warning: Expecting logical in R3569 / R3569C18: got 'as CaCO3'
## Warning: Expecting logical in W3570 / R3570C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3570 / R3570C24: got '2.0'
## Warning: Expecting logical in Y3570 / R3570C25: got 'mg/L'
## Warning: Expecting logical in M3572 / R3572C13: got '14265-44-2'
## Warning: Expecting logical in R3572 / R3572C18: got 'as P'
## Warning: Expecting logical in W3572 / R3572C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3572 / R3572C24: got '0.04'
## Warning: Expecting logical in Y3572 / R3572C25: got 'mg/L'
## Warning: Expecting logical in R3573 / R3573C18: got 'as N'
## Warning: Expecting logical in R3576 / R3576C18: got 'as N'
## Warning: Expecting logical in R3577 / R3577C18: got 'as N'
## Warning: Expecting logical in W3577 / R3577C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3577 / R3577C24: got '0.03'
## Warning: Expecting logical in Y3577 / R3577C25: got 'mg/L'
## Warning: Expecting logical in W3578 / R3578C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3578 / R3578C24: got '2.5'
## Warning: Expecting logical in Y3578 / R3578C25: got 'mg/L'
## Warning: Expecting logical in M3581 / R3581C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R3581 / R3581C18: got 'as P'
## Warning: Expecting logical in R3583 / R3583C18: got 'as N'
## Warning: Expecting logical in W3583 / R3583C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3583 / R3583C24: got '0.03'
## Warning: Expecting logical in Y3583 / R3583C25: got 'mg/L'
## Warning: Expecting logical in R3584 / R3584C18: got 'as N'
## Warning: Expecting logical in W3585 / R3585C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3585 / R3585C24: got '2.0'
## Warning: Expecting logical in Y3585 / R3585C25: got 'mg/L'
## Warning: Expecting logical in R3587 / R3587C18: got 'as CaCO3'
## Warning: Expecting logical in R3588 / R3588C18: got 'as N'
## Warning: Expecting logical in W3588 / R3588C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3588 / R3588C24: got '0.02'
## Warning: Expecting logical in Y3588 / R3588C25: got 'mg/L'
## Warning: Expecting logical in R3590 / R3590C18: got 'as CaCO3'
## Warning: Expecting logical in R3592 / R3592C18: got 'as CaCO3'
## Warning: Expecting logical in R3593 / R3593C18: got 'as N'
## Warning: Expecting logical in W3593 / R3593C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3593 / R3593C24: got '0.03'
## Warning: Expecting logical in Y3593 / R3593C25: got 'mg/L'
## Warning: Expecting logical in W3594 / R3594C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3594 / R3594C24: got '2.5'
## Warning: Expecting logical in Y3594 / R3594C25: got 'mg/L'
## Warning: Expecting logical in R3597 / R3597C18: got 'as N'
```

```
## Warning: Expecting logical in W3597 / R3597C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3597 / R3597C24: got '0.02'
## Warning: Expecting logical in Y3597 / R3597C25: got 'mg/L'
## Warning: Expecting logical in M3599 / R3599C13: got '7723-14-0'
## Warning: Expecting logical in R3599 / R3599C18: got 'as P'
## Warning: Expecting logical in R3600 / R3600C18: got 'as N'
## Warning: Expecting logical in W3600 / R3600C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3600 / R3600C24: got '0.20'
## Warning: Expecting logical in Y3600 / R3600C25: got 'mg/L'
## Warning: Expecting logical in W3601 / R3601C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3601 / R3601C24: got '2.0'
## Warning: Expecting logical in Y3601 / R3601C25: got 'mg/L'
## Warning: Expecting logical in M3602 / R3602C13: got '14265-44-2'
## Warning: Expecting logical in R3602 / R3602C18: got 'as P'
## Warning: Expecting logical in W3602 / R3602C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3602 / R3602C24: got '0.04'
## Warning: Expecting logical in Y3602 / R3602C25: got 'mg/L'
## Warning: Expecting logical in R3605 / R3605C18: got 'as CaCO3'
## Warning: Expecting logical in M3607 / R3607C13: got '7723-14-0'
## Warning: Expecting logical in R3607 / R3607C18: got 'as P' \,
## Warning: Expecting logical in R3608 / R3608C18: got 'as N'
## Warning: Expecting logical in R3611 / R3611C18: got 'as N'
## Warning: Expecting logical in W3611 / R3611C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3611 / R3611C24: got '0.03'
```

```
## Warning: Expecting logical in Y3611 / R3611C25: got 'mg/L'
## Warning: Expecting logical in R3612 / R3612C18: got 'as CaCO3'
## Warning: Expecting logical in R3617 / R3617C18: got 'as CaCO3'
## Warning: Expecting logical in R3618 / R3618C18: got 'as N'
## Warning: Expecting logical in W3618 / R3618C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3618 / R3618C24: got '0.02'
## Warning: Expecting logical in Y3618 / R3618C25: got 'mg/L'
## Warning: Expecting logical in R3619 / R3619C18: got 'as N'
## Warning: Expecting logical in W3620 / R3620C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3620 / R3620C24: got '2.0'
## Warning: Expecting logical in Y3620 / R3620C25: got 'mg/L'
## Warning: Expecting logical in R3623 / R3623C18: got 'as N'
## Warning: Expecting logical in W3623 / R3623C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3623 / R3623C24: got '0.03'
## Warning: Expecting logical in Y3623 / R3623C25: got 'mg/L'
## Warning: Expecting logical in M3624 / R3624C13: got '7723-14-0'
## Warning: Expecting logical in R3624 / R3624C18: got 'as P'
## Warning: Expecting logical in R3625 / R3625C18: got 'as CaCO3'
## Warning: Expecting logical in R3627 / R3627C18: got 'as N'
## Warning: Expecting logical in W3627 / R3627C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3627 / R3627C24: got '0.20'
## Warning: Expecting logical in Y3627 / R3627C25: got 'mg/L'
## Warning: Expecting logical in W3628 / R3628C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3628 / R3628C24: got '2.5'
```

```
## Warning: Expecting logical in Y3628 / R3628C25: got 'mg/L'
## Warning: Expecting logical in R3629 / R3629C18: got 'as CaCO3'
## Warning: Expecting logical in M3632 / R3632C13: got '14265-44-2'
## Warning: Expecting logical in R3632 / R3632C18: got 'as P'
## Warning: Expecting logical in W3632 / R3632C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3632 / R3632C24: got '0.04'
## Warning: Expecting logical in Y3632 / R3632C25: got 'mg/L'
## Warning: Expecting logical in W3633 / R3633C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3633 / R3633C24: got '2.0'
## Warning: Expecting logical in Y3633 / R3633C25: got 'mg/L'
## Warning: Expecting logical in R3634 / R3634C18: got 'as N'
## Warning: Expecting logical in W3634 / R3634C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3634 / R3634C24: got '0.03'
## Warning: Expecting logical in Y3634 / R3634C25: got 'mg/L'
## Warning: Expecting logical in M3635 / R3635C13: got '7723-14-0'
## Warning: Expecting logical in R3635 / R3635C18: got 'as P'
## Warning: Expecting logical in R3638 / R3638C18: got 'as N'
## Warning: Expecting logical in R3640 / R3640C18: got 'as N'
## Warning: Expecting logical in R3641 / R3641C18: got 'as CaCO3'
## Warning: Expecting logical in R3645 / R3645C18: got 'as CaCO3'
## Warning: Expecting logical in M3649 / R3649C13: got '7723-14-0'
## Warning: Expecting logical in R3649 / R3649C18: got 'as P'
## Warning: Expecting logical in M3651 / R3651C13: got '68583-22-2'
## Warning: Expecting logical in R3652 / R3652C18: got 'as N'
```

```
## Warning: Expecting logical in W3652 / R3652C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3652 / R3652C24: got '0.20'
## Warning: Expecting logical in Y3652 / R3652C25: got 'mg/L'
## Warning: Expecting logical in M3653 / R3653C13: got '14265-44-2'
## Warning: Expecting logical in R3653 / R3653C18: got 'as P'
## Warning: Expecting logical in W3653 / R3653C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3653 / R3653C24: got '0.04'
## Warning: Expecting logical in Y3653 / R3653C25: got 'mg/L'
## Warning: Expecting logical in R3655 / R3655C18: got 'as N'
## Warning: Expecting logical in W3655 / R3655C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3655 / R3655C24: got '0.03'
## Warning: Expecting logical in Y3655 / R3655C25: got 'mg/L'
## Warning: Expecting logical in R3656 / R3656C18: got 'as CaCO3'
## Warning: Expecting logical in R3657 / R3657C18: got 'as CaCO3'
## Warning: Expecting logical in W3658 / R3658C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3658 / R3658C24: got '2.0'
## Warning: Expecting logical in Y3658 / R3658C25: got 'mg/L'
## Warning: Expecting logical in R3659 / R3659C18: got 'as N'
## Warning: Expecting logical in M3662 / R3662C13: got '14265-44-2'
## Warning: Expecting logical in R3662 / R3662C18: got 'as P'
## Warning: Expecting logical in W3662 / R3662C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3662 / R3662C24: got '0.04'
## Warning: Expecting logical in Y3662 / R3662C25: got 'mg/L'
## Warning: Expecting logical in W3663 / R3663C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3663 / R3663C24: got '2.0'
## Warning: Expecting logical in Y3663 / R3663C25: got 'mg/L'
## Warning: Expecting logical in M3665 / R3665C13: got '68583-22-2'
## Warning: Expecting logical in R3666 / R3666C18: got 'as N'
## Warning: Expecting logical in M3667 / R3667C13: got '7723-14-0'
## Warning: Expecting logical in R3667 / R3667C18: got 'as P'
## Warning: Expecting logical in R3669 / R3669C18: got 'as CaCO3'
## Warning: Expecting logical in R3672 / R3672C18: got 'as CaCO3'
## Warning: Expecting logical in R3673 / R3673C18: got 'as N'
## Warning: Expecting logical in W3673 / R3673C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3673 / R3673C24: got '0.03'
## Warning: Expecting logical in Y3673 / R3673C25: got 'mg/L'
## Warning: Expecting logical in R3675 / R3675C18: got 'as N'
## Warning: Expecting logical in W3676 / R3676C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3676 / R3676C24: got '2.5'
## Warning: Expecting logical in Y3676 / R3676C25: got 'mg/L'
## Warning: Expecting logical in R3677 / R3677C18: got 'as CaCO3'
## Warning: Expecting logical in M3679 / R3679C13: got '7723-14-0'
## Warning: Expecting logical in R3679 / R3679C18: got 'as P'
## Warning: Expecting logical in W3680 / R3680C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3680 / R3680C24: got '2.0'
## Warning: Expecting logical in Y3680 / R3680C25: got 'mg/L'
## Warning: Expecting logical in M3681 / R3681C13: got '68583-22-2'
## Warning: Expecting logical in R3684 / R3684C18: got 'as N'
```

```
## Warning: Expecting logical in W3684 / R3684C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3684 / R3684C24: got '0.03'
## Warning: Expecting logical in Y3684 / R3684C25: got 'mg/L'
## Warning: Expecting logical in R3685 / R3685C18: got 'as CaCO3'
## Warning: Expecting logical in R3687 / R3687C18: got 'as N'
## Warning: Expecting logical in R3689 / R3689C18: got 'as N'
## Warning: Expecting logical in M3691 / R3691C13: got '7440-61-1'
## Warning: Expecting logical in W3691 / R3691C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3691 / R3691C24: got '1'
## Warning: Expecting logical in Y3691 / R3691C25: got 'ug/L'
## Warning: Expecting logical in R3692 / R3692C18: got 'as CaCO3'
## Warning: Expecting logical in M3693 / R3693C13: got '7440-50-8'
## Warning: Expecting logical in W3693 / R3693C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3693 / R3693C24: got '5'
## Warning: Expecting logical in Y3693 / R3693C25: got 'ug/L'
## Warning: Expecting logical in M3694 / R3694C13: got '7440-43-9'
## Warning: Expecting logical in W3694 / R3694C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3694 / R3694C24: got '0.7'
## Warning: Expecting logical in Y3694 / R3694C25: got 'ug/L'
## Warning: Expecting logical in M3695 / R3695C13: got '7782-49-2'
## Warning: Expecting logical in W3695 / R3695C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3695 / R3695C24: got '5'
## Warning: Expecting logical in Y3695 / R3695C25: got 'ug/L'
## Warning: Expecting logical in M3696 / R3696C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R3696 / R3696C18: got 'as P'
## Warning: Expecting logical in M3697 / R3697C13: got '7440-43-9'
## Warning: Expecting logical in W3697 / R3697C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3697 / R3697C24: got '0.7'
## Warning: Expecting logical in Y3697 / R3697C25: got 'ug/L'
## Warning: Expecting logical in M3699 / R3699C13: got '7439-97-6'
## Warning: Expecting logical in W3699 / R3699C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3699 / R3699C24: got '0.2'
## Warning: Expecting logical in Y3699 / R3699C25: got 'ug/L'
## Warning: Expecting logical in M3700 / R3700C13: got '7440-38-2'
## Warning: Expecting logical in W3700 / R3700C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3700 / R3700C24: got '5'
## Warning: Expecting logical in Y3700 / R3700C25: got 'ug/L'
## Warning: Expecting logical in M3701 / R3701C13: got '7440-22-4'
## Warning: Expecting logical in W3701 / R3701C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3701 / R3701C24: got '5'
## Warning: Expecting logical in Y3701 / R3701C25: got 'ug/L'
## Warning: Expecting logical in R3702 / R3702C18: got 'as N'
## Warning: Expecting logical in W3702 / R3702C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3702 / R3702C24: got '0.03'
## Warning: Expecting logical in Y3702 / R3702C25: got 'mg/L'
## Warning: Expecting logical in R3703 / R3703C18: got 'as CaCO3'
## Warning: Expecting logical in M3704 / R3704C13: got '7429-90-5'
## Warning: Expecting logical in M3705 / R3705C13: got '7440-66-6'
```

```
## Warning: Expecting logical in W3705 / R3705C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3705 / R3705C24: got '10'
## Warning: Expecting logical in Y3705 / R3705C25: got 'ug/L'
## Warning: Expecting logical in M3706 / R3706C13: got '7440-36-0'
## Warning: Expecting logical in W3706 / R3706C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3706 / R3706C24: got '5'
## Warning: Expecting logical in Y3706 / R3706C25: got 'ug/L'
## Warning: Expecting logical in W3708 / R3708C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3708 / R3708C24: got '2.5'
## Warning: Expecting logical in Y3708 / R3708C25: got 'mg/L'
## Warning: Expecting logical in M3709 / R3709C13: got '7440-02-0'
## Warning: Expecting logical in W3709 / R3709C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3709 / R3709C24: got '10'
## Warning: Expecting logical in Y3709 / R3709C25: got 'ug/L'
## Warning: Expecting logical in R3710 / R3710C18: got 'as N'
## Warning: Expecting logical in W3710 / R3710C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3710 / R3710C24: got '0.20'
## Warning: Expecting logical in Y3710 / R3710C25: got 'mg/L'
## Warning: Expecting logical in M3711 / R3711C13: got '7440-47-3'
## Warning: Expecting logical in W3711 / R3711C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3711 / R3711C24: got '5'
## Warning: Expecting logical in Y3711 / R3711C25: got 'ug/L'
## Warning: Expecting logical in M3712 / R3712C13: got '7429-90-5'
## Warning: Expecting logical in W3712 / R3712C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3712 / R3712C24: got '50'
## Warning: Expecting logical in Y3712 / R3712C25: got 'ug/L'
## Warning: Expecting logical in M3713 / R3713C13: got '14265-44-2'
## Warning: Expecting logical in R3713 / R3713C18: got 'as P'
## Warning: Expecting logical in W3713 / R3713C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3713 / R3713C24: got '0.04'
## Warning: Expecting logical in Y3713 / R3713C25: got 'mg/L'
## Warning: Expecting logical in M3714 / R3714C13: got '7440-02-0'
## Warning: Expecting logical in W3714 / R3714C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3714 / R3714C24: got '10'
## Warning: Expecting logical in Y3714 / R3714C25: got 'ug/L'
## Warning: Expecting logical in M3715 / R3715C13: got '7440-47-3'
## Warning: Expecting logical in W3715 / R3715C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3715 / R3715C24: got '5'
## Warning: Expecting logical in Y3715 / R3715C25: got 'ug/L'
## Warning: Expecting logical in M3717 / R3717C13: got '7439-92-1'
## Warning: Expecting logical in W3717 / R3717C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3717 / R3717C24: got '1'
## Warning: Expecting logical in Y3717 / R3717C25: got 'ug/L'
## Warning: Expecting logical in R3718 / R3718C18: got 'as N'
## Warning: Expecting logical in M3719 / R3719C13: got '7440-31-5'
## Warning: Expecting logical in W3719 / R3719C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3719 / R3719C24: got '30'
## Warning: Expecting logical in Y3719 / R3719C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3720 / R3720C13: got '7439-92-1'
## Warning: Expecting logical in W3720 / R3720C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3720 / R3720C24: got '1'
## Warning: Expecting logical in Y3720 / R3720C25: got 'ug/L'
## Warning: Expecting logical in M3721 / R3721C13: got '7440-50-8'
## Warning: Expecting logical in W3721 / R3721C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3721 / R3721C24: got '5'
## Warning: Expecting logical in Y3721 / R3721C25: got 'ug/L'
## Warning: Expecting logical in M3722 / R3722C13: got '7440-38-2'
## Warning: Expecting logical in W3722 / R3722C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3722 / R3722C24: got '5'
## Warning: Expecting logical in Y3722 / R3722C25: got 'ug/L'
## Warning: Expecting logical in M3723 / R3723C13: got '7439-98-7'
## Warning: Expecting logical in W3723 / R3723C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3723 / R3723C24: got '5'
## Warning: Expecting logical in Y3723 / R3723C25: got 'ug/L'
## Warning: Expecting logical in M3724 / R3724C13: got '7440-39-3'
## Warning: Expecting logical in M3726 / R3726C13: got '7440-66-6'
## Warning: Expecting logical in W3726 / R3726C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3726 / R3726C24: got '25'
## Warning: Expecting logical in Y3726 / R3726C25: got 'ug/L'
## Warning: Expecting logical in M3727 / R3727C13: got '7440-22-4'
## Warning: Expecting logical in W3727 / R3727C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3727 / R3727C24: got '5'
```

```
## Warning: Expecting logical in Y3727 / R3727C25: got 'ug/L'
## Warning: Expecting logical in M3728 / R3728C13: got '7440-28-0'
## Warning: Expecting logical in W3728 / R3728C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3728 / R3728C24: got '1'
## Warning: Expecting logical in Y3728 / R3728C25: got 'ug/L'
## Warning: Expecting logical in W3729 / R3729C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3729 / R3729C24: got '2.0'
## Warning: Expecting logical in Y3729 / R3729C25: got 'mg/L'
## Warning: Expecting logical in M3730 / R3730C13: got '7782-49-2'
## Warning: Expecting logical in W3730 / R3730C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3730 / R3730C24: got '5'
## Warning: Expecting logical in Y3730 / R3730C25: got 'ug/L'
## Warning: Expecting logical in M3731 / R3731C13: got '7440-02-0'
## Warning: Expecting logical in W3731 / R3731C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3731 / R3731C24: got '10'
## Warning: Expecting logical in Y3731 / R3731C25: got 'ug/L'
## Warning: Expecting logical in M3733 / R3733C13: got '7429-90-5'
## Warning: Expecting logical in W3733 / R3733C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3733 / R3733C24: got '50'
## Warning: Expecting logical in Y3733 / R3733C25: got 'ug/L'
## Warning: Expecting logical in R3734 / R3734C18: got 'as N'
## Warning: Expecting logical in M3735 / R3735C13: got '7440-39-3'
## Warning: Expecting logical in M3736 / R3736C13: got '7440-28-0'
## Warning: Expecting logical in W3736 / R3736C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3736 / R3736C24: got '1'
## Warning: Expecting logical in Y3736 / R3736C25: got 'ug/L'
## Warning: Expecting logical in M3737 / R3737C13: got '7440-43-9'
## Warning: Expecting logical in W3737 / R3737C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3737 / R3737C24: got '0.7'
## Warning: Expecting logical in Y3737 / R3737C25: got 'ug/L'
## Warning: Expecting logical in M3738 / R3738C13: got '7440-47-3'
## Warning: Expecting logical in W3738 / R3738C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3738 / R3738C24: got '5'
## Warning: Expecting logical in Y3738 / R3738C25: got 'ug/L'
## Warning: Expecting logical in M3739 / R3739C13: got '7439-92-1'
## Warning: Expecting logical in W3739 / R3739C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3739 / R3739C24: got '1'
## Warning: Expecting logical in Y3739 / R3739C25: got 'ug/L'
## Warning: Expecting logical in M3740 / R3740C13: got '7440-38-2'
## Warning: Expecting logical in W3740 / R3740C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3740 / R3740C24: got '5'
## Warning: Expecting logical in Y3740 / R3740C25: got 'ug/L'
## Warning: Expecting logical in M3741 / R3741C13: got '7440-22-4'
## Warning: Expecting logical in W3741 / R3741C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3741 / R3741C24: got '5'
## Warning: Expecting logical in Y3741 / R3741C25: got 'ug/L'
## Warning: Expecting logical in M3743 / R3743C13: got '7440-47-3'
## Warning: Expecting logical in W3743 / R3743C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3743 / R3743C24: got '5'
## Warning: Expecting logical in Y3743 / R3743C25: got 'ug/L'
## Warning: Expecting logical in M3744 / R3744C13: got '7440-61-1'
## Warning: Expecting logical in W3744 / R3744C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3744 / R3744C24: got '1'
## Warning: Expecting logical in Y3744 / R3744C25: got 'ug/L'
## Warning: Expecting logical in M3746 / R3746C13: got '7429-90-5'
## Warning: Expecting logical in W3746 / R3746C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3746 / R3746C24: got '50'
## Warning: Expecting logical in Y3746 / R3746C25: got 'ug/L'
## Warning: Expecting logical in R3747 / R3747C18: got 'as N'
## Warning: Expecting logical in M3748 / R3748C13: got '7439-92-1'
## Warning: Expecting logical in W3748 / R3748C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3748 / R3748C24: got '1'
## Warning: Expecting logical in Y3748 / R3748C25: got 'ug/L'
## Warning: Expecting logical in M3750 / R3750C13: got '7440-02-0'
## Warning: Expecting logical in W3750 / R3750C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3750 / R3750C24: got '10'
## Warning: Expecting logical in Y3750 / R3750C25: got 'ug/L'
## Warning: Expecting logical in M3751 / R3751C13: got '7723-14-0'
## Warning: Expecting logical in R3751 / R3751C18: got 'as P'
## Warning: Expecting logical in W3751 / R3751C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3751 / R3751C24: got '0.02'
## Warning: Expecting logical in Y3751 / R3751C25: got 'mg/L'
```

```
## Warning: Expecting logical in R3752 / R3752C18: got 'as CaCO3'
## Warning: Expecting logical in M3753 / R3753C13: got '7439-98-7'
## Warning: Expecting logical in W3753 / R3753C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3753 / R3753C24: got '5'
## Warning: Expecting logical in Y3753 / R3753C25: got 'ug/L'
## Warning: Expecting logical in M3754 / R3754C13: got '7440-22-4'
## Warning: Expecting logical in W3754 / R3754C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3754 / R3754C24: got '5'
## Warning: Expecting logical in Y3754 / R3754C25: got 'ug/L'
## Warning: Expecting logical in R3755 / R3755C18: got 'as CaCO3'
## Warning: Expecting logical in M3756 / R3756C13: got '7440-43-9'
## Warning: Expecting logical in W3756 / R3756C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3756 / R3756C24: got '0.7'
## Warning: Expecting logical in Y3756 / R3756C25: got 'ug/L'
## Warning: Expecting logical in M3758 / R3758C13: got '7440-31-5'
## Warning: Expecting logical in W3758 / R3758C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3758 / R3758C24: got '30'
## Warning: Expecting logical in Y3758 / R3758C25: got 'ug/L'
## Warning: Expecting logical in M3759 / R3759C13: got '14265-44-2'
## Warning: Expecting logical in R3759 / R3759C18: got 'as P'
## Warning: Expecting logical in W3759 / R3759C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3759 / R3759C24: got '0.04'
## Warning: Expecting logical in Y3759 / R3759C25: got 'mg/L'
## Warning: Expecting logical in M3760 / R3760C13: got '7440-66-6'
```

```
## Warning: Expecting logical in W3760 / R3760C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3760 / R3760C24: got '10'
## Warning: Expecting logical in Y3760 / R3760C25: got 'ug/L'
## Warning: Expecting logical in M3761 / R3761C13: got '7440-50-8'
## Warning: Expecting logical in W3761 / R3761C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3761 / R3761C24: got '5'
## Warning: Expecting logical in Y3761 / R3761C25: got 'ug/L'
## Warning: Expecting logical in M3762 / R3762C13: got '7440-38-2'
## Warning: Expecting logical in W3762 / R3762C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3762 / R3762C24: got '5'
## Warning: Expecting logical in Y3762 / R3762C25: got 'ug/L'
## Warning: Expecting logical in R3763 / R3763C18: got 'as N'
## Warning: Expecting logical in W3763 / R3763C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3763 / R3763C24: got '0.02'
## Warning: Expecting logical in Y3763 / R3763C25: got 'mg/L'
## Warning: Expecting logical in M3764 / R3764C13: got '7440-36-0'
## Warning: Expecting logical in W3764 / R3764C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3764 / R3764C24: got '5'
## Warning: Expecting logical in Y3764 / R3764C25: got 'ug/L'
## Warning: Expecting logical in W3765 / R3765C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3765 / R3765C24: got '2.5'
## Warning: Expecting logical in Y3765 / R3765C25: got 'mg/L'
## Warning: Expecting logical in M3766 / R3766C13: got '7440-66-6'
## Warning: Expecting logical in W3766 / R3766C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3766 / R3766C24: got '25'
## Warning: Expecting logical in Y3766 / R3766C25: got 'ug/L'
## Warning: Expecting logical in M3767 / R3767C13: got '7782-49-2'
## Warning: Expecting logical in W3767 / R3767C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3767 / R3767C24: got '5'
## Warning: Expecting logical in Y3767 / R3767C25: got 'ug/L'
## Warning: Expecting logical in M3768 / R3768C13: got '7782-49-2'
## Warning: Expecting logical in W3768 / R3768C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3768 / R3768C24: got '5'
## Warning: Expecting logical in Y3768 / R3768C25: got 'ug/L'
## Warning: Expecting logical in M3769 / R3769C13: got '7440-50-8'
## Warning: Expecting logical in W3769 / R3769C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3769 / R3769C24: got '5'
## Warning: Expecting logical in Y3769 / R3769C25: got 'ug/L'
## Warning: Expecting logical in M3770 / R3770C13: got '7439-97-6'
## Warning: Expecting logical in W3770 / R3770C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3770 / R3770C24: got '0.2'
## Warning: Expecting logical in Y3770 / R3770C25: got 'ug/L'
## Warning: Expecting logical in W3771 / R3771C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3771 / R3771C24: got '2.0'
## Warning: Expecting logical in Y3771 / R3771C25: got 'mg/L'
## Warning: Expecting logical in M3772 / R3772C13: got '7440-22-4'
## Warning: Expecting logical in W3772 / R3772C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3772 / R3772C24: got '5'
```

```
## Warning: Expecting logical in Y3772 / R3772C25: got 'ug/L'
## Warning: Expecting logical in M3773 / R3773C13: got '7440-22-4'
## Warning: Expecting logical in W3773 / R3773C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3773 / R3773C24: got '5'
## Warning: Expecting logical in Y3773 / R3773C25: got 'ug/L'
## Warning: Expecting logical in R3774 / R3774C18: got 'as CaCO3'
## Warning: Expecting logical in M3775 / R3775C13: got '7439-98-7'
## Warning: Expecting logical in W3775 / R3775C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3775 / R3775C24: got '5'
## Warning: Expecting logical in Y3775 / R3775C25: got 'ug/L'
## Warning: Expecting logical in M3776 / R3776C13: got '14265-44-2'
## Warning: Expecting logical in R3776 / R3776C18: got 'as P'
## Warning: Expecting logical in W3776 / R3776C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3776 / R3776C24: got '0.04'
## Warning: Expecting logical in Y3776 / R3776C25: got 'mg/L'
## Warning: Expecting logical in R3777 / R3777C18: got 'as N'
## Warning: Expecting logical in W3777 / R3777C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3777 / R3777C24: got '0.20'
## Warning: Expecting logical in Y3777 / R3777C25: got 'mg/L'
## Warning: Expecting logical in M3778 / R3778C13: got '7782-49-2'
## Warning: Expecting logical in W3778 / R3778C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3778 / R3778C24: got '5'
## Warning: Expecting logical in Y3778 / R3778C25: got 'ug/L'
## Warning: Expecting logical in W3779 / R3779C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3779 / R3779C24: got '2.0'
## Warning: Expecting logical in Y3779 / R3779C25: got 'mg/L'
## Warning: Expecting logical in M3780 / R3780C13: got '7440-36-0'
## Warning: Expecting logical in W3780 / R3780C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3780 / R3780C24: got '5'
## Warning: Expecting logical in Y3780 / R3780C25: got 'ug/L'
## Warning: Expecting logical in M3782 / R3782C13: got '7440-38-2'
## Warning: Expecting logical in W3782 / R3782C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3782 / R3782C24: got '5'
## Warning: Expecting logical in Y3782 / R3782C25: got 'ug/L'
## Warning: Expecting logical in R3783 / R3783C18: got 'as N'
## Warning: Expecting logical in W3783 / R3783C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3783 / R3783C24: got '0.02'
## Warning: Expecting logical in Y3783 / R3783C25: got 'mg/L'
## Warning: Expecting logical in M3784 / R3784C13: got '7440-43-9'
## Warning: Expecting logical in W3784 / R3784C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3784 / R3784C24: got '0.7'
## Warning: Expecting logical in Y3784 / R3784C25: got 'ug/L'
## Warning: Expecting logical in M3785 / R3785C13: got '7440-31-5'
## Warning: Expecting logical in W3785 / R3785C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3785 / R3785C24: got '30'
## Warning: Expecting logical in Y3785 / R3785C25: got 'ug/L'
## Warning: Expecting logical in M3786 / R3786C13: got '7782-49-2'
## Warning: Expecting logical in W3786 / R3786C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3786 / R3786C24: got '5'
## Warning: Expecting logical in Y3786 / R3786C25: got 'ug/L'
## Warning: Expecting logical in M3787 / R3787C13: got '7440-02-0'
## Warning: Expecting logical in W3787 / R3787C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3787 / R3787C24: got '10'
## Warning: Expecting logical in Y3787 / R3787C25: got 'ug/L'
## Warning: Expecting logical in M3790 / R3790C13: got '7439-92-1'
## Warning: Expecting logical in W3790 / R3790C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3790 / R3790C24: got '1'
## Warning: Expecting logical in Y3790 / R3790C25: got 'ug/L'
## Warning: Expecting logical in M3791 / R3791C13: got '7440-61-1'
## Warning: Expecting logical in W3791 / R3791C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3791 / R3791C24: got '1'
## Warning: Expecting logical in Y3791 / R3791C25: got 'ug/L'
## Warning: Expecting logical in M3792 / R3792C13: got '7440-28-0'
## Warning: Expecting logical in W3792 / R3792C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3792 / R3792C24: got '1'
## Warning: Expecting logical in Y3792 / R3792C25: got 'ug/L'
## Warning: Expecting logical in M3793 / R3793C13: got '7440-47-3'
## Warning: Expecting logical in W3793 / R3793C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3793 / R3793C24: got '5'
## Warning: Expecting logical in Y3793 / R3793C25: got 'ug/L'
## Warning: Expecting logical in M3794 / R3794C13: got '7723-14-0'
## Warning: Expecting logical in R3794 / R3794C18: got 'as P'
```

```
## Warning: Expecting logical in M3795 / R3795C13: got '7440-38-2'
## Warning: Expecting logical in W3795 / R3795C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3795 / R3795C24: got '5'
## Warning: Expecting logical in Y3795 / R3795C25: got 'ug/L'
## Warning: Expecting logical in M3797 / R3797C13: got '7439-92-1'
## Warning: Expecting logical in W3797 / R3797C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3797 / R3797C24: got '1'
## Warning: Expecting logical in Y3797 / R3797C25: got 'ug/L'
## Warning: Expecting logical in M3798 / R3798C13: got '7429-90-5'
## Warning: Expecting logical in W3798 / R3798C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3798 / R3798C24: got '50'
## Warning: Expecting logical in Y3798 / R3798C25: got 'ug/L'
## Warning: Expecting logical in M3800 / R3800C13: got '7440-43-9'
## Warning: Expecting logical in W3800 / R3800C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3800 / R3800C24: got '0.7'
## Warning: Expecting logical in Y3800 / R3800C25: got 'ug/L'
## Warning: Expecting logical in M3801 / R3801C13: got '7440-02-0'
## Warning: Expecting logical in W3801 / R3801C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3801 / R3801C24: got '10'
## Warning: Expecting logical in Y3801 / R3801C25: got 'ug/L'
## Warning: Expecting logical in M3802 / R3802C13: got '7440-66-6'
## Warning: Expecting logical in W3802 / R3802C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3802 / R3802C24: got '10'
## Warning: Expecting logical in Y3802 / R3802C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3803 / R3803C13: got '7440-50-8'
## Warning: Expecting logical in W3803 / R3803C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3803 / R3803C24: got '5'
## Warning: Expecting logical in Y3803 / R3803C25: got 'ug/L'
## Warning: Expecting logical in M3805 / R3805C13: got '7440-66-6'
## Warning: Expecting logical in W3805 / R3805C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3805 / R3805C24: got '25'
## Warning: Expecting logical in Y3805 / R3805C25: got 'ug/L'
## Warning: Expecting logical in M3806 / R3806C13: got '7440-50-8'
## Warning: Expecting logical in W3806 / R3806C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3806 / R3806C24: got '5'
## Warning: Expecting logical in Y3806 / R3806C25: got 'ug/L'
## Warning: Expecting logical in M3807 / R3807C13: got '7429-90-5'
## Warning: Expecting logical in M3808 / R3808C13: got '7440-39-3'
## Warning: Expecting logical in M3809 / R3809C13: got '7439-97-6'
## Warning: Expecting logical in W3809 / R3809C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3809 / R3809C24: got '0.2'
## Warning: Expecting logical in Y3809 / R3809C25: got 'ug/L'
## Warning: Expecting logical in M3810 / R3810C13: got '7440-47-3'
## Warning: Expecting logical in W3810 / R3810C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3810 / R3810C24: got '5'
## Warning: Expecting logical in Y3810 / R3810C25: got 'ug/L'
## Warning: Expecting logical in R3811 / R3811C18: got 'as CaCO3'
## Warning: Expecting logical in R3812 / R3812C18: got 'as N'
```

```
## Warning: Expecting logical in W3812 / R3812C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3812 / R3812C24: got '0.03'
## Warning: Expecting logical in Y3812 / R3812C25: got 'mg/L'
## Warning: Expecting logical in M3813 / R3813C13: got '7439-97-6'
## Warning: Expecting logical in W3813 / R3813C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3813 / R3813C24: got '0.2'
## Warning: Expecting logical in Y3813 / R3813C25: got 'ug/L'
## Warning: Expecting logical in M3814 / R3814C13: got '7440-36-0'
## Warning: Expecting logical in W3814 / R3814C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3814 / R3814C24: got '5'
## Warning: Expecting logical in Y3814 / R3814C25: got 'ug/L'
## Warning: Expecting logical in R3815 / R3815C18: got 'as N'
## Warning: Expecting logical in W3815 / R3815C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3815 / R3815C24: got '0.03'
## Warning: Expecting logical in Y3815 / R3815C25: got 'mg/L'
## Warning: Expecting logical in M3816 / R3816C13: got '7440-02-0'
## Warning: Expecting logical in W3816 / R3816C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3816 / R3816C24: got '10'
## Warning: Expecting logical in Y3816 / R3816C25: got 'ug/L'
## Warning: Expecting logical in R3817 / R3817C18: got 'as N'
## Warning: Expecting logical in W3817 / R3817C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3817 / R3817C24: got '0.02'
## Warning: Expecting logical in Y3817 / R3817C25: got 'mg/L'
## Warning: Expecting logical in M3818 / R3818C13: got '7439-98-7'
```

```
## Warning: Expecting logical in W3818 / R3818C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3818 / R3818C24: got '5'
## Warning: Expecting logical in Y3818 / R3818C25: got 'ug/L'
## Warning: Expecting logical in M3819 / R3819C13: got '14265-44-2'
## Warning: Expecting logical in R3819 / R3819C18: got 'as P'
## Warning: Expecting logical in W3819 / R3819C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3819 / R3819C24: got '0.04'
## Warning: Expecting logical in Y3819 / R3819C25: got 'mg/L'
## Warning: Expecting logical in M3820 / R3820C13: got '7440-02-0'
## Warning: Expecting logical in W3820 / R3820C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3820 / R3820C24: got '10'
## Warning: Expecting logical in Y3820 / R3820C25: got 'ug/L'
## Warning: Expecting logical in M3822 / R3822C13: got '7440-50-8'
## Warning: Expecting logical in W3822 / R3822C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3822 / R3822C24: got '5'
## Warning: Expecting logical in Y3822 / R3822C25: got 'ug/L'
## Warning: Expecting logical in M3823 / R3823C13: got '7440-39-3'
## Warning: Expecting logical in M3824 / R3824C13: got '7782-49-2'
## Warning: Expecting logical in W3824 / R3824C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3824 / R3824C24: got '5'
## Warning: Expecting logical in Y3824 / R3824C25: got 'ug/L'
## Warning: Expecting logical in M3825 / R3825C13: got '7440-38-2'
## Warning: Expecting logical in W3825 / R3825C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3825 / R3825C24: got '5'
```

```
## Warning: Expecting logical in Y3825 / R3825C25: got 'ug/L'
## Warning: Expecting logical in M3826 / R3826C13: got '7440-28-0'
## Warning: Expecting logical in W3826 / R3826C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3826 / R3826C24: got '1'
## Warning: Expecting logical in Y3826 / R3826C25: got 'ug/L'
## Warning: Expecting logical in M3827 / R3827C13: got '7440-66-6'
## Warning: Expecting logical in W3827 / R3827C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3827 / R3827C24: got '25'
## Warning: Expecting logical in Y3827 / R3827C25: got 'ug/L'
## Warning: Expecting logical in M3828 / R3828C13: got '7440-43-9'
## Warning: Expecting logical in W3828 / R3828C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3828 / R3828C24: got '0.7'
## Warning: Expecting logical in Y3828 / R3828C25: got 'ug/L'
## Warning: Expecting logical in M3829 / R3829C13: got '7440-61-1'
## Warning: Expecting logical in W3829 / R3829C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3829 / R3829C24: got '1'
## Warning: Expecting logical in Y3829 / R3829C25: got 'ug/L'
## Warning: Expecting logical in M3830 / R3830C13: got '7440-47-3'
## Warning: Expecting logical in W3830 / R3830C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3830 / R3830C24: got '5'
## Warning: Expecting logical in Y3830 / R3830C25: got 'ug/L'
## Warning: Expecting logical in R3831 / R3831C18: got 'as N'
## Warning: Expecting logical in W3831 / R3831C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3831 / R3831C24: got '0.20'
```

```
## Warning: Expecting logical in Y3831 / R3831C25: got 'mg/L'
## Warning: Expecting logical in M3832 / R3832C13: got '7440-47-3'
## Warning: Expecting logical in W3832 / R3832C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3832 / R3832C24: got '5'
## Warning: Expecting logical in Y3832 / R3832C25: got 'ug/L'
## Warning: Expecting logical in M3834 / R3834C13: got '7440-22-4'
## Warning: Expecting logical in W3834 / R3834C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3834 / R3834C24: got '5'
## Warning: Expecting logical in Y3834 / R3834C25: got 'ug/L'
## Warning: Expecting logical in M3835 / R3835C13: got '7440-31-5'
## Warning: Expecting logical in W3835 / R3835C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3835 / R3835C24: got '30'
## Warning: Expecting logical in Y3835 / R3835C25: got 'ug/L'
## Warning: Expecting logical in M3836 / R3836C13: got '7440-38-2'
## Warning: Expecting logical in W3836 / R3836C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3836 / R3836C24: got '5'
## Warning: Expecting logical in Y3836 / R3836C25: got 'ug/L'
## Warning: Expecting logical in M3838 / R3838C13: got '7439-92-1'
## Warning: Expecting logical in W3838 / R3838C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3838 / R3838C24: got '1'
## Warning: Expecting logical in Y3838 / R3838C25: got 'ug/L'
## Warning: Expecting logical in M3839 / R3839C13: got '7440-50-8'
## Warning: Expecting logical in W3839 / R3839C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3839 / R3839C24: got '5'
```

```
## Warning: Expecting logical in Y3839 / R3839C25: got 'ug/L'
## Warning: Expecting logical in M3841 / R3841C13: got '7782-49-2'
## Warning: Expecting logical in W3841 / R3841C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3841 / R3841C24: got '5'
## Warning: Expecting logical in Y3841 / R3841C25: got 'ug/L'
## Warning: Expecting logical in W3842 / R3842C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3842 / R3842C24: got '2.0'
## Warning: Expecting logical in Y3842 / R3842C25: got 'mg/L'
## Warning: Expecting logical in M3843 / R3843C13: got '7429-90-5'
## Warning: Expecting logical in R3844 / R3844C18: got 'as CaCO3'
## Warning: Expecting logical in M3845 / R3845C13: got '7440-66-6'
## Warning: Expecting logical in W3845 / R3845C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3845 / R3845C24: got '10'
## Warning: Expecting logical in Y3845 / R3845C25: got 'ug/L'
## Warning: Expecting logical in M3846 / R3846C13: got '7440-43-9'
## Warning: Expecting logical in W3846 / R3846C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3846 / R3846C24: got '0.7'
## Warning: Expecting logical in Y3846 / R3846C25: got 'ug/L'
## Warning: Expecting logical in R3847 / R3847C18: got 'as CaCO3'
## Warning: Expecting logical in M3848 / R3848C13: got '7440-22-4'
## Warning: Expecting logical in W3848 / R3848C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3848 / R3848C24: got '5'
## Warning: Expecting logical in Y3848 / R3848C25: got 'ug/L'
## Warning: Expecting logical in M3849 / R3849C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R3849 / R3849C18: got 'as P'
## Warning: Expecting logical in M3852 / R3852C13: got '7439-92-1'
## Warning: Expecting logical in W3852 / R3852C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3852 / R3852C24: got '1'
## Warning: Expecting logical in Y3852 / R3852C25: got 'ug/L'
## Warning: Expecting logical in M3853 / R3853C13: got '7429-90-5'
## Warning: Expecting logical in M3856 / R3856C13: got '7723-14-0'
## Warning: Expecting logical in R3856 / R3856C18: got 'as P'
## Warning: Expecting logical in R3857 / R3857C18: got 'as N'
## Warning: Expecting logical in W3857 / R3857C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3857 / R3857C24: got '0.03'
## Warning: Expecting logical in Y3857 / R3857C25: got 'mg/L'
## Warning: Expecting logical in R3858 / R3858C18: got 'as N'
## Warning: Expecting logical in W3858 / R3858C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3858 / R3858C24: got '0.20'
## Warning: Expecting logical in Y3858 / R3858C25: got 'mg/L'
## Warning: Expecting logical in R3859 / R3859C18: got 'as CaCO3'
## Warning: Expecting logical in W3862 / R3862C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3862 / R3862C24: got '2.0'
## Warning: Expecting logical in Y3862 / R3862C25: got 'mg/L'
## Warning: Expecting logical in R3864 / R3864C18: got 'as CaCO3'
## Warning: Expecting logical in W3865 / R3865C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3865 / R3865C24: got '2.5'
## Warning: Expecting logical in Y3865 / R3865C25: got 'mg/L'
```

```
## Warning: Expecting logical in R3866 / R3866C18: got 'as N'
## Warning: Expecting logical in M3867 / R3867C13: got '7440-22-4'
## Warning: Expecting logical in W3867 / R3867C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3867 / R3867C24: got '5'
## Warning: Expecting logical in Y3867 / R3867C25: got 'ug/L'
## Warning: Expecting logical in M3868 / R3868C13: got '7429-90-5'
## Warning: Expecting logical in M3869 / R3869C13: got '7723-14-0'
## Warning: Expecting logical in R3869 / R3869C18: got 'as P'
## Warning: Expecting logical in M3871 / R3871C13: got '7440-28-0'
## Warning: Expecting logical in W3871 / R3871C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3871 / R3871C24: got '1'
## Warning: Expecting logical in Y3871 / R3871C25: got 'ug/L'
## Warning: Expecting logical in M3872 / R3872C13: got '7440-39-3'
## Warning: Expecting logical in M3873 / R3873C13: got '7440-38-2'
## Warning: Expecting logical in W3873 / R3873C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3873 / R3873C24: got '5'
## Warning: Expecting logical in Y3873 / R3873C25: got 'ug/L'
## Warning: Expecting logical in M3874 / R3874C13: got '7440-66-6'
## Warning: Expecting logical in W3874 / R3874C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3874 / R3874C24: got '25'
## Warning: Expecting logical in Y3874 / R3874C25: got 'ug/L'
## Warning: Expecting logical in M3875 / R3875C13: got '7440-43-9'
## Warning: Expecting logical in W3875 / R3875C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3875 / R3875C24: got '0.7'
```

```
## Warning: Expecting logical in Y3875 / R3875C25: got 'ug/L'
## Warning: Expecting logical in M3876 / R3876C13: got '7440-47-3'
## Warning: Expecting logical in W3876 / R3876C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3876 / R3876C24: got '5'
## Warning: Expecting logical in Y3876 / R3876C25: got 'ug/L'
## Warning: Expecting logical in W3877 / R3877C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3877 / R3877C24: got '2.0'
## Warning: Expecting logical in Y3877 / R3877C25: got 'mg/L'
## Warning: Expecting logical in M3878 / R3878C13: got '7440-02-0'
## Warning: Expecting logical in W3878 / R3878C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3878 / R3878C24: got '10'
## Warning: Expecting logical in Y3878 / R3878C25: got 'ug/L'
## Warning: Expecting logical in M3880 / R3880C13: got '7439-97-6'
## Warning: Expecting logical in W3880 / R3880C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3880 / R3880C24: got '0.2'
## Warning: Expecting logical in Y3880 / R3880C25: got 'ug/L'
## Warning: Expecting logical in M3881 / R3881C13: got '7440-50-8'
## Warning: Expecting logical in W3881 / R3881C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3881 / R3881C24: got '5'
## Warning: Expecting logical in Y3881 / R3881C25: got 'ug/L'
## Warning: Expecting logical in M3882 / R3882C13: got '7440-36-0'
## Warning: Expecting logical in W3882 / R3882C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3882 / R3882C24: got '5'
## Warning: Expecting logical in Y3882 / R3882C25: got 'ug/L'
```

```
## Warning: Expecting logical in M3883 / R3883C13: got '7440-31-5'
## Warning: Expecting logical in W3883 / R3883C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3883 / R3883C24: got '30'
## Warning: Expecting logical in Y3883 / R3883C25: got 'ug/L'
## Warning: Expecting logical in M3884 / R3884C13: got '7440-02-0'
## Warning: Expecting logical in W3884 / R3884C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3884 / R3884C24: got '10'
## Warning: Expecting logical in Y3884 / R3884C25: got 'ug/L'
## Warning: Expecting logical in R3885 / R3885C18: got 'as CaCO3'
## Warning: Expecting logical in R3887 / R3887C18: got 'as N'
## Warning: Expecting logical in M3888 / R3888C13: got '7440-50-8'
## Warning: Expecting logical in W3888 / R3888C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3888 / R3888C24: got '5'
## Warning: Expecting logical in Y3888 / R3888C25: got 'ug/L'
## Warning: Expecting logical in M3889 / R3889C13: got '7782-49-2'
## Warning: Expecting logical in W3889 / R3889C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3889 / R3889C24: got '5'
## Warning: Expecting logical in Y3889 / R3889C25: got 'ug/L'
## Warning: Expecting logical in R3890 / R3890C18: got 'as N'
## Warning: Expecting logical in W3890 / R3890C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3890 / R3890C24: got '0.03'
## Warning: Expecting logical in Y3890 / R3890C25: got 'mg/L'
## Warning: Expecting logical in R3891 / R3891C18: got 'as N'
## Warning: Expecting logical in M3892 / R3892C13: got '14265-44-2'
```

```
## Warning: Expecting logical in R3892 / R3892C18: got 'as P'
## Warning: Expecting logical in M3893 / R3893C13: got '7440-38-2'
## Warning: Expecting logical in W3893 / R3893C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3893 / R3893C24: got '5'
## Warning: Expecting logical in Y3893 / R3893C25: got 'ug/L'
## Warning: Expecting logical in M3894 / R3894C13: got '7440-47-3'
## Warning: Expecting logical in W3894 / R3894C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3894 / R3894C24: got '5'
## Warning: Expecting logical in Y3894 / R3894C25: got 'ug/L'
## Warning: Expecting logical in M3895 / R3895C13: got '7440-61-1'
## Warning: Expecting logical in W3895 / R3895C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3895 / R3895C24: got '1'
## Warning: Expecting logical in Y3895 / R3895C25: got 'ug/L'
## Warning: Expecting logical in M3896 / R3896C13: got '7429-90-5'
## Warning: Expecting logical in M3899 / R3899C13: got '7440-22-4'
## Warning: Expecting logical in W3899 / R3899C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3899 / R3899C24: got '5'
## Warning: Expecting logical in Y3899 / R3899C25: got 'ug/L'
## Warning: Expecting logical in M3900 / R3900C13: got '7440-43-9'
## Warning: Expecting logical in W3900 / R3900C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3900 / R3900C24: got '0.7'
## Warning: Expecting logical in Y3900 / R3900C25: got 'ug/L'
## Warning: Expecting logical in M3901 / R3901C13: got '7782-49-2'
## Warning: Expecting logical in W3901 / R3901C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X3901 / R3901C24: got '5'
## Warning: Expecting logical in Y3901 / R3901C25: got 'ug/L'
## Warning: Expecting logical in R3902 / R3902C18: got 'as CaCO3'
## Warning: Expecting logical in M3903 / R3903C13: got '7440-66-6'
## Warning: Expecting logical in W3903 / R3903C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3903 / R3903C24: got '10'
## Warning: Expecting logical in Y3903 / R3903C25: got 'ug/L'
## Warning: Expecting logical in M3904 / R3904C13: got '7439-98-7'
## Warning: Expecting logical in W3904 / R3904C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3904 / R3904C24: got '5'
## Warning: Expecting logical in Y3904 / R3904C25: got 'ug/L'
## Warning: Expecting logical in M3905 / R3905C13: got '7439-92-1'
## Warning: Expecting logical in W3905 / R3905C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3905 / R3905C24: got '1'
## Warning: Expecting logical in Y3905 / R3905C25: got 'ug/L'
## Warning: Expecting logical in M3907 / R3907C13: got '7439-92-1'
## Warning: Expecting logical in W3907 / R3907C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3907 / R3907C24: got '1'
## Warning: Expecting logical in Y3907 / R3907C25: got 'ug/L'
## Warning: Expecting logical in R3909 / R3909C18: got 'as N'
## Warning: Expecting logical in W3909 / R3909C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3909 / R3909C24: got '0.20'
## Warning: Expecting logical in Y3909 / R3909C25: got 'mg/L'
## Warning: Expecting logical in M3910 / R3910C13: got '14265-44-2'
```

```
## Warning: Expecting logical in R3910 / R3910C18: got 'as P'
## Warning: Expecting logical in W3910 / R3910C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3910 / R3910C24: got '0.04'
## Warning: Expecting logical in Y3910 / R3910C25: got 'mg/L'
## Warning: Expecting logical in R3911 / R3911C18: got 'as N'
## Warning: Expecting logical in R3914 / R3914C18: got 'as CaCO3'
## Warning: Expecting logical in R3915 / R3915C18: got 'as CaCO3'
## Warning: Expecting logical in R3918 / R3918C18: got 'as N'
## Warning: Expecting logical in M3919 / R3919C13: got '7723-14-0'
## Warning: Expecting logical in R3919 / R3919C18: got 'as P'
## Warning: Expecting logical in W3921 / R3921C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3921 / R3921C24: got '2.0'
## Warning: Expecting logical in Y3921 / R3921C25: got 'mg/L'
## Warning: Expecting logical in W3925 / R3925C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3925 / R3925C24: got '2.0'
## Warning: Expecting logical in Y3925 / R3925C25: got 'mg/L'
## Warning: Expecting logical in R3926 / R3926C18: got 'as CaCO3'
## Warning: Expecting logical in M3927 / R3927C13: got '14265-44-2'
## Warning: Expecting logical in R3927 / R3927C18: got 'as P'
## Warning: Expecting logical in W3927 / R3927C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3927 / R3927C24: got '0.04'
## Warning: Expecting logical in Y3927 / R3927C25: got 'mg/L'
## Warning: Expecting logical in R3928 / R3928C18: got 'as N'
## Warning: Expecting logical in R3931 / R3931C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R3933 / R3933C18: got 'as N'
## Warning: Expecting logical in W3933 / R3933C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3933 / R3933C24: got '0.20'
## Warning: Expecting logical in Y3933 / R3933C25: got 'mg/L'
## Warning: Expecting logical in R3934 / R3934C18: got 'as N'
## Warning: Expecting logical in M3935 / R3935C13: got '7723-14-0'
## Warning: Expecting logical in R3935 / R3935C18: got 'as P'
## Warning: Expecting logical in R3937 / R3937C18: got 'as N'
## Warning: Expecting logical in R3938 / R3938C18: got 'as CaCO3'
## Warning: Expecting logical in M3939 / R3939C13: got '7723-14-0'
## Warning: Expecting logical in R3939 / R3939C18: got 'as P'
## Warning: Expecting logical in W3940 / R3940C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3940 / R3940C24: got '2.0'
## Warning: Expecting logical in Y3940 / R3940C25: got 'mg/L'
## Warning: Expecting logical in M3945 / R3945C13: got '14265-44-2'
## Warning: Expecting logical in R3945 / R3945C18: got 'as P'
## Warning: Expecting logical in W3945 / R3945C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3945 / R3945C24: got '0.04'
## Warning: Expecting logical in Y3945 / R3945C25: got 'mg/L'
## Warning: Expecting logical in R3947 / R3947C18: got 'as N'
## Warning: Expecting logical in W3947 / R3947C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3947 / R3947C24: got '0.20'
## Warning: Expecting logical in Y3947 / R3947C25: got 'mg/L'
## Warning: Expecting logical in R3948 / R3948C18: got 'as N'
```

```
## Warning: Expecting logical in R3949 / R3949C18: got 'as CaCO3'
## Warning: Expecting logical in R3950 / R3950C18: got 'as N'
## Warning: Expecting logical in W3950 / R3950C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3950 / R3950C24: got '0.03'
## Warning: Expecting logical in Y3950 / R3950C25: got 'mg/L'
## Warning: Expecting logical in W3952 / R3952C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3952 / R3952C24: got '2.0'
## Warning: Expecting logical in Y3952 / R3952C25: got 'mg/L'
## Warning: Expecting logical in R3955 / R3955C18: got 'as CaCO3'
## Warning: Expecting logical in W3956 / R3956C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3956 / R3956C24: got '2.5'
## Warning: Expecting logical in Y3956 / R3956C25: got 'mg/L'
## Warning: Expecting logical in R3957 / R3957C18: got 'as N'
## Warning: Expecting logical in M3958 / R3958C13: got '7723-14-0'
## Warning: Expecting logical in R3958 / R3958C18: got 'as P'
## Warning: Expecting logical in R3960 / R3960C18: got 'as N'
## Warning: Expecting logical in W3960 / R3960C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3960 / R3960C24: got '0.20'
## Warning: Expecting logical in Y3960 / R3960C25: got 'mg/L'
## Warning: Expecting logical in R3961 / R3961C18: got 'as CaCO3'
## Warning: Expecting logical in R3963 / R3963C18: got 'as CaCO3'
## Warning: Expecting logical in R3965 / R3965C18: got 'as N'
## Warning: Expecting logical in W3965 / R3965C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3965 / R3965C24: got '0.03'
```

```
## Warning: Expecting logical in Y3965 / R3965C25: got 'mg/L'
## Warning: Expecting logical in W3966 / R3966C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3966 / R3966C24: got '2.0'
## Warning: Expecting logical in Y3966 / R3966C25: got 'mg/L'
## Warning: Expecting logical in R3967 / R3967C18: got 'as N'
## Warning: Expecting logical in W3967 / R3967C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3967 / R3967C24: got '0.20'
## Warning: Expecting logical in Y3967 / R3967C25: got 'mg/L'
## Warning: Expecting logical in M3972 / R3972C13: got '7723-14-0'
## Warning: Expecting logical in R3972 / R3972C18: got 'as P'
## Warning: Expecting logical in R3973 / R3973C18: got 'as N'
## Warning: Expecting logical in R3974 / R3974C18: got 'as CaCO3'
## Warning: Expecting logical in W3977 / R3977C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3977 / R3977C24: got '2.5'
## Warning: Expecting logical in Y3977 / R3977C25: got 'mg/L'
## Warning: Expecting logical in R3978 / R3978C18: got 'as CaCO3'
## Warning: Expecting logical in R3979 / R3979C18: got 'as CaCO3'
## Warning: Expecting logical in M3981 / R3981C13: got '7723-14-0'
## Warning: Expecting logical in R3981 / R3981C18: got 'as P'
## Warning: Expecting logical in R3984 / R3984C18: got 'as N'
## Warning: Expecting logical in W3986 / R3986C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3986 / R3986C24: got '2.0'
## Warning: Expecting logical in Y3986 / R3986C25: got 'mg/L'
## Warning: Expecting logical in R3987 / R3987C18: got 'as N'
```

```
## Warning: Expecting logical in R3988 / R3988C18: got 'as N'
## Warning: Expecting logical in R3989 / R3989C18: got 'as N' \,
## Warning: Expecting logical in W3989 / R3989C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3989 / R3989C24: got '0.03'
## Warning: Expecting logical in Y3989 / R3989C25: got 'mg/L'
## Warning: Expecting logical in W3990 / R3990C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3990 / R3990C24: got '2.5'
## Warning: Expecting logical in Y3990 / R3990C25: got 'mg/L'
## Warning: Expecting logical in R3993 / R3993C18: got 'as N'
## Warning: Expecting logical in W3993 / R3993C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3993 / R3993C24: got '0.20'
## Warning: Expecting logical in Y3993 / R3993C25: got 'mg/L'
## Warning: Expecting logical in R3994 / R3994C18: got 'as N'
## Warning: Expecting logical in W3994 / R3994C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3994 / R3994C24: got '0.02'
## Warning: Expecting logical in Y3994 / R3994C25: got 'mg/L'
## Warning: Expecting logical in R3995 / R3995C18: got 'as CaCO3'
## Warning: Expecting logical in M3996 / R3996C13: got '7723-14-0'
## Warning: Expecting logical in R3996 / R3996C18: got 'as P'
## Warning: Expecting logical in W3998 / R3998C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X3998 / R3998C24: got '2.0'
## Warning: Expecting logical in Y3998 / R3998C25: got 'mg/L'
## Warning: Expecting logical in R4000 / R4000C18: got 'as CaCO3'
## Warning: Expecting logical in W4003 / R4003C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X4003 / R4003C24: got '2.0'
## Warning: Expecting logical in Y4003 / R4003C25: got 'mg/L'
## Warning: Expecting logical in M4004 / R4004C13: got '7723-14-0'
## Warning: Expecting logical in R4004 / R4004C18: got 'as P'
## Warning: Expecting logical in R4005 / R4005C18: got 'as CaCO3'
## Warning: Expecting logical in R4008 / R4008C18: got 'as N'
## Warning: Expecting logical in W4008 / R4008C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4008 / R4008C24: got '0.20'
## Warning: Expecting logical in Y4008 / R4008C25: got 'mg/L'
## Warning: Expecting logical in R4009 / R4009C18: got 'as N'
## Warning: Expecting logical in W4009 / R4009C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4009 / R4009C24: got '0.03'
## Warning: Expecting logical in Y4009 / R4009C25: got 'mg/L'
## Warning: Expecting logical in R4010 / R4010C18: got 'as CaCO3'
## Warning: Expecting logical in R4011 / R4011C18: got 'as N'
## Warning: Expecting logical in W4011 / R4011C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4011 / R4011C24: got '0.02'
## Warning: Expecting logical in Y4011 / R4011C25: got 'mg/L'
## Warning: Expecting logical in W4012 / R4012C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4012 / R4012C24: got '2.5'
## Warning: Expecting logical in Y4012 / R4012C25: got 'mg/L'
## Warning: Expecting logical in R4015 / R4015C18: got 'as N'
## Warning: Expecting logical in W4016 / R4016C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4016 / R4016C24: got '2.5'
```

```
## Warning: Expecting logical in Y4016 / R4016C25: got 'mg/L'
## Warning: Expecting logical in R4019 / R4019C18: got 'as CaCO3'
## Warning: Expecting logical in R4022 / R4022C18: got 'as CaCO3'
## Warning: Expecting logical in R4023 / R4023C18: got 'as N'
## Warning: Expecting logical in W4023 / R4023C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4023 / R4023C24: got '0.02'
## Warning: Expecting logical in Y4023 / R4023C25: got 'mg/L'
## Warning: Expecting logical in W4024 / R4024C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4024 / R4024C24: got '2.0'
## Warning: Expecting logical in Y4024 / R4024C25: got 'mg/L'
## Warning: Expecting logical in M4026 / R4026C13: got '7723-14-0'
## Warning: Expecting logical in R4026 / R4026C18: got 'as P'
## Warning: Expecting logical in R4027 / R4027C18: got 'as N'
## Warning: Expecting logical in W4027 / R4027C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4027 / R4027C24: got '0.03'
## Warning: Expecting logical in Y4027 / R4027C25: got 'mg/L'
## Warning: Expecting logical in M4028 / R4028C13: got '7723-14-0'
## Warning: Expecting logical in R4028 / R4028C18: got 'as P'
## Warning: Expecting logical in W4028 / R4028C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4028 / R4028C24: got '0.02'
## Warning: Expecting logical in Y4028 / R4028C25: got 'mg/L'
## Warning: Expecting logical in W4031 / R4031C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4031 / R4031C24: got '2.5'
## Warning: Expecting logical in Y4031 / R4031C25: got 'mg/L'
```

```
## Warning: Expecting logical in R4032 / R4032C18: got 'as N'
## Warning: Expecting logical in W4032 / R4032C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4032 / R4032C24: got '0.20'
## Warning: Expecting logical in Y4032 / R4032C25: got 'mg/L'
## Warning: Expecting logical in W4033 / R4033C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4033 / R4033C24: got '2.0'
## Warning: Expecting logical in Y4033 / R4033C25: got 'mg/L'
## Warning: Expecting logical in R4034 / R4034C18: got 'as CaCO3'
## Warning: Expecting logical in R4035 / R4035C18: got 'as N'
## Warning: Expecting logical in W4035 / R4035C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4035 / R4035C24: got '0.03'
## Warning: Expecting logical in Y4035 / R4035C25: got 'mg/L'
## Warning: Expecting logical in R4036 / R4036C18: got 'as N'
## Warning: Expecting logical in R4040 / R4040C18: got 'as CaCO3'
## Warning: Expecting logical in R4041 / R4041C18: got 'as N'
## Warning: Expecting logical in W4041 / R4041C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4041 / R4041C24: got '0.03'
## Warning: Expecting logical in Y4041 / R4041C25: got 'mg/L'
## Warning: Expecting logical in R4046 / R4046C18: got 'as N'
## Warning: Expecting logical in R4047 / R4047C18: got 'as CaCO3'
## Warning: Expecting logical in W4048 / R4048C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4048 / R4048C24: got '2.0'
## Warning: Expecting logical in Y4048 / R4048C25: got 'mg/L'
## Warning: Expecting logical in M4049 / R4049C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R4049 / R4049C18: got 'as P'
## Warning: Expecting logical in R4051 / R4051C18: got 'as N' \,
## Warning: Expecting logical in R4053 / R4053C18: got 'as CaCO3'
## Warning: Expecting logical in M4054 / R4054C13: got '68583-22-2'
## Warning: Expecting logical in R4056 / R4056C18: got 'as N'
## Warning: Expecting logical in W4056 / R4056C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4056 / R4056C24: got '0.20'
## Warning: Expecting logical in Y4056 / R4056C25: got 'mg/L'
## Warning: Expecting logical in M4057 / R4057C13: got '7723-14-0'
## Warning: Expecting logical in R4057 / R4057C18: got 'as P'
## Warning: Expecting logical in R4058 / R4058C18: got 'as CaCO3'
## Warning: Expecting logical in W4060 / R4060C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4060 / R4060C24: got '2.0'
## Warning: Expecting logical in Y4060 / R4060C25: got 'mg/L'
## Warning: Expecting logical in R4061 / R4061C18: got 'as N'
## Warning: Expecting logical in W4061 / R4061C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4061 / R4061C24: got '0.03'
## Warning: Expecting logical in Y4061 / R4061C25: got 'mg/L'
## Warning: Expecting logical in R4062 / R4062C18: got 'as CaCO3'
## Warning: Expecting logical in M4065 / R4065C13: got '68583-22-2'
## Warning: Expecting logical in R4067 / R4067C18: got 'as N'
## Warning: Expecting logical in M4068 / R4068C13: got '14265-44-2'
## Warning: Expecting logical in R4068 / R4068C18: got 'as P'
## Warning: Expecting logical in W4068 / R4068C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X4068 / R4068C24: got '0.04'
## Warning: Expecting logical in Y4068 / R4068C25: got 'mg/L'
## Warning: Expecting logical in W4070 / R4070C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4070 / R4070C24: got '2.0'
## Warning: Expecting logical in Y4070 / R4070C25: got 'mg/L'
## Warning: Expecting logical in W4071 / R4071C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4071 / R4071C24: got '2.5'
## Warning: Expecting logical in Y4071 / R4071C25: got 'mg/L'
## Warning: Expecting logical in R4073 / R4073C18: got 'as CaCO3'
## Warning: Expecting logical in R4074 / R4074C18: got 'as N'
## Warning: Expecting logical in R4078 / R4078C18: got 'as N'
## Warning: Expecting logical in R4079 / R4079C18: got 'as N'
## Warning: Expecting logical in M4080 / R4080C13: got '14265-44-2'
## Warning: Expecting logical in R4080 / R4080C18: got 'as P'
## Warning: Expecting logical in W4080 / R4080C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4080 / R4080C24: got '0.04'
## Warning: Expecting logical in Y4080 / R4080C25: got 'mg/L'
## Warning: Expecting logical in R4081 / R4081C18: got 'as CaCO3'
## Warning: Expecting logical in M4083 / R4083C13: got '7723-14-0'
## Warning: Expecting logical in R4083 / R4083C18: got 'as P'
## Warning: Expecting logical in W4083 / R4083C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4083 / R4083C24: got '0.02'
## Warning: Expecting logical in Y4083 / R4083C25: got 'mg/L'
## Warning: Expecting logical in R4084 / R4084C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in W4085 / R4085C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4085 / R4085C24: got '2.5'
## Warning: Expecting logical in Y4085 / R4085C25: got 'mg/L'
## Warning: Expecting logical in R4087 / R4087C18: got 'as N'
## Warning: Expecting logical in W4087 / R4087C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4087 / R4087C24: got '0.20'
## Warning: Expecting logical in Y4087 / R4087C25: got 'mg/L'
## Warning: Expecting logical in W4090 / R4090C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4090 / R4090C24: got '1.0'
## Warning: Expecting logical in Y4090 / R4090C25: got 'mg/L'
## Warning: Expecting logical in W4092 / R4092C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4092 / R4092C24: got '2.0'
## Warning: Expecting logical in Y4092 / R4092C25: got 'mg/L'
## Warning: Expecting logical in M4093 / R4093C13: got '7723-14-0'
## Warning: Expecting logical in R4093 / R4093C18: got 'as P'
## Warning: Expecting logical in R4094 / R4094C18: got 'as N'
## Warning: Expecting logical in W4094 / R4094C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4094 / R4094C24: got '0.03'
## Warning: Expecting logical in Y4094 / R4094C25: got 'mg/L'
## Warning: Expecting logical in M4095 / R4095C13: got '14265-44-2'
## Warning: Expecting logical in R4095 / R4095C18: got 'as P'
## Warning: Expecting logical in W4095 / R4095C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4095 / R4095C24: got '0.04'
## Warning: Expecting logical in Y4095 / R4095C25: got 'mg/L'
```

```
## Warning: Expecting logical in R4096 / R4096C18: got 'as CaCO3'
## Warning: Expecting logical in R4097 / R4097C18: got 'as N' \,
## Warning: Expecting logical in R4098 / R4098C18: got 'as CaCO3'
## Warning: Expecting logical in M4102 / R4102C13: got '68583-22-2'
## Warning: Expecting logical in R4104 / R4104C18: got 'as N'
## Warning: Expecting logical in W4104 / R4104C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4104 / R4104C24: got '0.02'
## Warning: Expecting logical in Y4104 / R4104C25: got 'mg/L'
## Warning: Expecting logical in W4105 / R4105C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4105 / R4105C24: got '2.0'
## Warning: Expecting logical in Y4105 / R4105C25: got 'mg/L'
## Warning: Expecting logical in R4106 / R4106C18: got 'as CaCO3'
## Warning: Expecting logical in R4108 / R4108C18: got 'as N'
## Warning: Expecting logical in R4109 / R4109C18: got 'as N'
## Warning: Expecting logical in W4109 / R4109C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4109 / R4109C24: got '0.03'
## Warning: Expecting logical in Y4109 / R4109C25: got 'mg/L'
## Warning: Expecting logical in M4111 / R4111C13: got '7723-14-0'
## Warning: Expecting logical in R4111 / R4111C18: got 'as P'
## Warning: Expecting logical in R4115 / R4115C18: got 'as N'
## Warning: Expecting logical in W4115 / R4115C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4115 / R4115C24: got '0.02'
## Warning: Expecting logical in Y4115 / R4115C25: got 'mg/L'
## Warning: Expecting logical in R4118 / R4118C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R4119 / R4119C18: got 'as N'
## Warning: Expecting logical in W4120 / R4120C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4120 / R4120C24: got '2.0'
## Warning: Expecting logical in Y4120 / R4120C25: got 'mg/L'
## Warning: Expecting logical in R4121 / R4121C18: got 'as N'
## Warning: Expecting logical in W4121 / R4121C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4121 / R4121C24: got '0.03'
## Warning: Expecting logical in Y4121 / R4121C25: got 'mg/L'
## Warning: Expecting logical in M4122 / R4122C13: got '7723-14-0'
## Warning: Expecting logical in R4122 / R4122C18: got 'as P'
## Warning: Expecting logical in R4124 / R4124C18: got 'as CaCO3'
## Warning: Expecting logical in M4125 / R4125C13: got '7723-14-0'
## Warning: Expecting logical in R4125 / R4125C18: got 'as P'
## Warning: Expecting logical in M4127 / R4127C13: got '68583-22-2'
## Warning: Expecting logical in W4127 / R4127C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4127 / R4127C24: got '20'
## Warning: Expecting logical in Y4127 / R4127C25: got 'MPN/100mL'
## Warning: Expecting logical in R4128 / R4128C18: got 'as CaCO3'
## Warning: Expecting logical in R4129 / R4129C18: got 'as N'
## Warning: Expecting logical in W4130 / R4130C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4130 / R4130C24: got '2.0'
## Warning: Expecting logical in Y4130 / R4130C25: got 'mg/L'
## Warning: Expecting logical in R4133 / R4133C18: got 'as CaCO3'
## Warning: Expecting logical in R4135 / R4135C18: got 'as N'
```

```
## Warning: Expecting logical in W4135 / R4135C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4135 / R4135C24: got '0.03'
## Warning: Expecting logical in Y4135 / R4135C25: got 'mg/L'
## Warning: Expecting logical in R4138 / R4138C18: got 'as N'
## Warning: Expecting logical in R4139 / R4139C18: got 'as N'
## Warning: Expecting logical in W4139 / R4139C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4139 / R4139C24: got '0.02'
## Warning: Expecting logical in Y4139 / R4139C25: got 'mg/L'
## Warning: Expecting logical in R4140 / R4140C18: got 'as CaCO3'
## Warning: Expecting logical in R4142 / R4142C18: got 'as N'
## Warning: Expecting logical in W4142 / R4142C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4142 / R4142C24: got '0.03'
## Warning: Expecting logical in Y4142 / R4142C25: got 'mg/L'
## Warning: Expecting logical in R4143 / R4143C18: got 'as CaCO3'
## Warning: Expecting logical in M4145 / R4145C13: got '7723-14-0'
## Warning: Expecting logical in R4145 / R4145C18: got 'as P'
## Warning: Expecting logical in R4146 / R4146C18: got 'as N'
## Warning: Expecting logical in M4149 / R4149C13: got '68583-22-2'
## Warning: Expecting logical in W4152 / R4152C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4152 / R4152C24: got '2.0'
## Warning: Expecting logical in Y4152 / R4152C25: got 'mg/L'
## Warning: Expecting logical in R4153 / R4153C18: got 'as CaCO3'
## Warning: Expecting logical in R4154 / R4154C18: got 'as N'
## Warning: Expecting logical in W4154 / R4154C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X4154 / R4154C24: got '0.02'
## Warning: Expecting logical in Y4154 / R4154C25: got 'mg/L'
## Warning: Expecting logical in M4156 / R4156C13: got '68583-22-2'
## Warning: Expecting logical in W4156 / R4156C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4156 / R4156C24: got '20'
## Warning: Expecting logical in Y4156 / R4156C25: got 'MPN/100mL'
## Warning: Expecting logical in R4160 / R4160C18: got 'as CaCO3'
## Warning: Expecting logical in M4162 / R4162C13: got '7723-14-0'
## Warning: Expecting logical in R4162 / R4162C18: got 'as P'
## Warning: Expecting logical in R4163 / R4163C18: got 'as N'
## Warning: Expecting logical in W4165 / R4165C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4165 / R4165C24: got '2.0'
## Warning: Expecting logical in Y4165 / R4165C25: got 'mg/L'
## Warning: Expecting logical in R4166 / R4166C18: got 'as N'
## Warning: Expecting logical in W4166 / R4166C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4166 / R4166C24: got '0.03'
## Warning: Expecting logical in Y4166 / R4166C25: got 'mg/L'
## Warning: Expecting logical in M4173 / R4173C13: got '7782-50-5'
## Warning: Expecting logical in M4174 / R4174C13: got '7782-50-5'
## Warning: Expecting logical in M4177 / R4177C13: got '7782-50-5'
## Warning: Expecting logical in M4181 / R4181C13: got '7782-50-5'
## Warning: Expecting logical in M4183 / R4183C13: got '7782-50-5'
## Warning: Expecting logical in M4187 / R4187C13: got '7782-50-5'
## Warning: Expecting logical in R4928 / R4928C18: got 'as N'
```

```
## Warning: Expecting logical in R4930 / R4930C18: got 'as CaCO3'
## Warning: Expecting logical in M4932 / R4932C13: got '7723-14-0'
## Warning: Expecting logical in R4932 / R4932C18: got 'as P'
## Warning: Expecting logical in W4933 / R4933C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4933 / R4933C24: got '2.5'
## Warning: Expecting logical in Y4933 / R4933C25: got 'mg/L'
## Warning: Expecting logical in W4935 / R4935C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4935 / R4935C24: got '2.0'
## Warning: Expecting logical in Y4935 / R4935C25: got 'mg/L'
## Warning: Expecting logical in R4937 / R4937C18: got 'as N'
## Warning: Expecting logical in R4938 / R4938C18: got 'as N'
## Warning: Expecting logical in R4939 / R4939C18: got 'as CaCO3'
## Warning: Expecting logical in R4940 / R4940C18: got 'as N'
## Warning: Expecting logical in R4941 / R4941C18: got 'as CaCO3'
## Warning: Expecting logical in R4944 / R4944C18: got 'as N'
## Warning: Expecting logical in W4944 / R4944C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4944 / R4944C24: got '0.03'
## Warning: Expecting logical in Y4944 / R4944C25: got 'mg/L'
## Warning: Expecting logical in R4946 / R4946C18: got 'as CaCO3'
## Warning: Expecting logical in R4948 / R4948C18: got 'as N'
## Warning: Expecting logical in M4951 / R4951C13: got '7723-14-0'
## Warning: Expecting logical in R4951 / R4951C18: got 'as P'
## Warning: Expecting logical in W4952 / R4952C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4952 / R4952C24: got '2.0'
```

```
## Warning: Expecting logical in Y4952 / R4952C25: got 'mg/L'
## Warning: Expecting logical in W4954 / R4954C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4954 / R4954C24: got '2.5'
## Warning: Expecting logical in Y4954 / R4954C25: got 'mg/L'
## Warning: Expecting logical in R4955 / R4955C18: got 'as CaCO3'
## Warning: Expecting logical in M4956 / R4956C13: got '7723-14-0'
## Warning: Expecting logical in R4956 / R4956C18: got 'as P'
## Warning: Expecting logical in W4959 / R4959C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4959 / R4959C24: got '2.0'
## Warning: Expecting logical in Y4959 / R4959C25: got 'mg/L'
## Warning: Expecting logical in R4960 / R4960C18: got 'as CaCO3'
## Warning: Expecting logical in R4961 / R4961C18: got 'as N'
## Warning: Expecting logical in W4961 / R4961C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4961 / R4961C24: got '0.03'
## Warning: Expecting logical in Y4961 / R4961C25: got 'mg/L'
## Warning: Expecting logical in R4962 / R4962C18: got 'as N'
## Warning: Expecting logical in R4963 / R4963C18: got 'as N'
## Warning: Expecting logical in M4965 / R4965C13: got '14265-44-2'
## Warning: Expecting logical in R4965 / R4965C18: got 'as P'
## Warning: Expecting logical in W4965 / R4965C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4965 / R4965C24: got '0.04'
## Warning: Expecting logical in Y4965 / R4965C25: got 'mg/L'
## Warning: Expecting logical in M4967 / R4967C13: got '14265-44-2'
## Warning: Expecting logical in R4967 / R4967C18: got 'as P'
```

```
## Warning: Expecting logical in W4967 / R4967C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4967 / R4967C24: got '0.04'
## Warning: Expecting logical in Y4967 / R4967C25: got 'mg/L'
## Warning: Expecting logical in R4968 / R4968C18: got 'as CaCO3'
## Warning: Expecting logical in W4969 / R4969C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4969 / R4969C24: got '2.0'
## Warning: Expecting logical in Y4969 / R4969C25: got 'mg/L'
## Warning: Expecting logical in R4970 / R4970C18: got 'as N'
## Warning: Expecting logical in W4970 / R4970C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4970 / R4970C24: got '0.03'
## Warning: Expecting logical in Y4970 / R4970C25: got 'mg/L'
## Warning: Expecting logical in M4971 / R4971C13: got '68583-22-2'
## Warning: Expecting logical in R4973 / R4973C18: got 'as CaCO3'
## Warning: Expecting logical in R4977 / R4977C18: got 'as N'
## Warning: Expecting logical in R4979 / R4979C18: got 'as N'
## Warning: Expecting logical in M4980 / R4980C13: got '7723-14-0'
## Warning: Expecting logical in R4980 / R4980C18: got 'as P'
## Warning: Expecting logical in W4980 / R4980C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4980 / R4980C24: got '0.02'
## Warning: Expecting logical in Y4980 / R4980C25: got 'mg/L'
## Warning: Expecting logical in R4982 / R4982C18: got 'as N'
## Warning: Expecting logical in W4982 / R4982C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4982 / R4982C24: got '0.03'
## Warning: Expecting logical in Y4982 / R4982C25: got 'mg/L'
```

```
## Warning: Expecting logical in R4984 / R4984C18: got 'as N'
## Warning: Expecting logical in W4984 / R4984C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4984 / R4984C24: got '0.20'
## Warning: Expecting logical in Y4984 / R4984C25: got 'mg/L'
## Warning: Expecting logical in W4987 / R4987C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4987 / R4987C24: got '2.0'
## Warning: Expecting logical in Y4987 / R4987C25: got 'mg/L'
## Warning: Expecting logical in R4988 / R4988C18: got 'as N'
## Warning: Expecting logical in W4988 / R4988C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4988 / R4988C24: got '0.02'
## Warning: Expecting logical in Y4988 / R4988C25: got 'mg/L'
## Warning: Expecting logical in M4990 / R4990C13: got '14265-44-2'
## Warning: Expecting logical in R4990 / R4990C18: got 'as P'
## Warning: Expecting logical in W4990 / R4990C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X4990 / R4990C24: got '0.04'
## Warning: Expecting logical in Y4990 / R4990C25: got 'mg/L'
## Warning: Expecting logical in M4991 / R4991C13: got '68583-22-2'
## Warning: Expecting logical in R4992 / R4992C18: got 'as CaCO3'
## Warning: Expecting logical in M4993 / R4993C13: got '7723-14-0'
## Warning: Expecting logical in R4993 / R4993C18: got 'as P'
## Warning: Expecting logical in R4996 / R4996C18: got 'as CaCO3'
## Warning: Expecting logical in R4997 / R4997C18: got 'as N'
## Warning: Expecting logical in W5001 / R5001C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5001 / R5001C24: got '2.0'
```

```
## Warning: Expecting logical in Y5001 / R5001C25: got 'mg/L'
## Warning: Expecting logical in R5003 / R5003C18: got 'as CaCO3'
## Warning: Expecting logical in M5004 / R5004C13: got '7723-14-0'
## Warning: Expecting logical in R5004 / R5004C18: got 'as P'
## Warning: Expecting logical in R5005 / R5005C18: got 'as N'
## Warning: Expecting logical in R5006 / R5006C18: got 'as CaCO3'
## Warning: Expecting logical in R5007 / R5007C18: got 'as N'
## Warning: Expecting logical in M5010 / R5010C13: got '68583-22-2'
## Warning: Expecting logical in R5012 / R5012C18: got 'as N'
## Warning: Expecting logical in M5013 / R5013C13: got '14265-44-2'
## Warning: Expecting logical in R5013 / R5013C18: got 'as P'
## Warning: Expecting logical in W5013 / R5013C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5013 / R5013C24: got '0.04'
## Warning: Expecting logical in Y5013 / R5013C25: got 'mg/L'
## Warning: Expecting logical in R5016 / R5016C18: got 'as CaCO3'
## Warning: Expecting logical in R5018 / R5018C18: got 'as N'
## Warning: Expecting logical in R5020 / R5020C18: got 'as CaCO3'
## Warning: Expecting logical in M5021 / R5021C13: got '7723-14-0'
## Warning: Expecting logical in R5021 / R5021C18: got 'as P'
## Warning: Expecting logical in W5022 / R5022C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5022 / R5022C24: got '2.0'
## Warning: Expecting logical in Y5022 / R5022C25: got 'mg/L'
## Warning: Expecting logical in R5023 / R5023C18: got 'as N'
## Warning: Expecting logical in W5025 / R5025C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5025 / R5025C24: got '2.5'
## Warning: Expecting logical in Y5025 / R5025C25: got 'mg/L'
## Warning: Expecting logical in W5026 / R5026C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5026 / R5026C24: got '2.0'
## Warning: Expecting logical in Y5026 / R5026C25: got 'mg/L'
## Warning: Expecting logical in R5027 / R5027C18: got 'as N'
## Warning: Expecting logical in W5027 / R5027C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5027 / R5027C24: got '0.03'
## Warning: Expecting logical in Y5027 / R5027C25: got 'mg/L'
## Warning: Expecting logical in R5030 / R5030C18: got 'as CaCO3'
## Warning: Expecting logical in R5031 / R5031C18: got 'as N'
## Warning: Expecting logical in R5032 / R5032C18: got 'as CaCO3'
## Warning: Expecting logical in M5035 / R5035C13: got '7723-14-0'
## Warning: Expecting logical in R5035 / R5035C18: got 'as P'
## Warning: Expecting logical in W5035 / R5035C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5035 / R5035C24: got '0.02'
## Warning: Expecting logical in Y5035 / R5035C25: got 'mg/L'
## Warning: Expecting logical in R5037 / R5037C18: got 'as N'
## Warning: Expecting logical in W5037 / R5037C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5037 / R5037C24: got '0.20'
## Warning: Expecting logical in Y5037 / R5037C25: got 'mg/L'
## Warning: Expecting logical in M5038 / R5038C13: got '14265-44-2'
## Warning: Expecting logical in R5038 / R5038C18: got 'as P'
## Warning: Expecting logical in W5038 / R5038C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5038 / R5038C24: got '0.04'
## Warning: Expecting logical in Y5038 / R5038C25: got 'mg/L'
## Warning: Expecting logical in M5041 / R5041C13: got '7723-14-0'
## Warning: Expecting logical in R5041 / R5041C18: got 'as P'
## Warning: Expecting logical in W5041 / R5041C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5041 / R5041C24: got '0.02'
## Warning: Expecting logical in Y5041 / R5041C25: got 'mg/L'
## Warning: Expecting logical in W5042 / R5042C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5042 / R5042C24: got '2.5'
## Warning: Expecting logical in Y5042 / R5042C25: got 'mg/L'
## Warning: Expecting logical in R5043 / R5043C18: got 'as N'
## Warning: Expecting logical in W5043 / R5043C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5043 / R5043C24: got '0.03'
## Warning: Expecting logical in Y5043 / R5043C25: got 'mg/L'
## Warning: Expecting logical in R5045 / R5045C18: got 'as N'
## Warning: Expecting logical in R5046 / R5046C18: got 'as N'
## Warning: Expecting logical in R5047 / R5047C18: got 'as CaCO3'
## Warning: Expecting logical in R5049 / R5049C18: got 'as CaCO3'
## Warning: Expecting logical in W5050 / R5050C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5050 / R5050C24: got '2.0'
## Warning: Expecting logical in Y5050 / R5050C25: got 'mg/L'
## Warning: Expecting logical in R5053 / R5053C18: got 'as N'
## Warning: Expecting logical in R5055 / R5055C18: got 'as N'
## Warning: Expecting logical in W5055 / R5055C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5055 / R5055C24: got '0.03'
## Warning: Expecting logical in Y5055 / R5055C25: got 'mg/L'
## Warning: Expecting logical in M5058 / R5058C13: got '7723-14-0'
## Warning: Expecting logical in R5058 / R5058C18: got 'as P'
## Warning: Expecting logical in W5058 / R5058C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5058 / R5058C24: got '0.02'
## Warning: Expecting logical in Y5058 / R5058C25: got 'mg/L'
## Warning: Expecting logical in R5060 / R5060C18: got 'as N'
## Warning: Expecting logical in W5060 / R5060C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5060 / R5060C24: got '0.20'
## Warning: Expecting logical in Y5060 / R5060C25: got 'mg/L'
## Warning: Expecting logical in W5061 / R5061C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5061 / R5061C24: got '2.0'
## Warning: Expecting logical in Y5061 / R5061C25: got 'mg/L'
## Warning: Expecting logical in W5062 / R5062C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5062 / R5062C24: got '2.5'
## Warning: Expecting logical in Y5062 / R5062C25: got 'mg/L'
## Warning: Expecting logical in R5063 / R5063C18: got 'as CaCO3'
## Warning: Expecting logical in R5064 / R5064C18: got 'as CaCO3'
## Warning: Expecting logical in R5065 / R5065C18: got 'as N'
## Warning: Expecting logical in W5067 / R5067C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5067 / R5067C24: got '2.0'
## Warning: Expecting logical in Y5067 / R5067C25: got 'mg/L'
## Warning: Expecting logical in R5068 / R5068C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R5069 / R5069C18: got 'as N'
## Warning: Expecting logical in W5069 / R5069C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5069 / R5069C24: got '0.20'
## Warning: Expecting logical in Y5069 / R5069C25: got 'mg/L'
## Warning: Expecting logical in R5070 / R5070C18: got 'as N'
## Warning: Expecting logical in W5070 / R5070C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5070 / R5070C24: got '0.03'
## Warning: Expecting logical in Y5070 / R5070C25: got 'mg/L'
## Warning: Expecting logical in M5076 / R5076C13: got '7723-14-0'
## Warning: Expecting logical in R5076 / R5076C18: got 'as P'
## Warning: Expecting logical in R5077 / R5077C18: got 'as CaCO3'
## Warning: Expecting logical in W5078 / R5078C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5078 / R5078C24: got '2.0'
## Warning: Expecting logical in Y5078 / R5078C25: got 'mg/L'
## Warning: Expecting logical in R5082 / R5082C18: got 'as N'
## Warning: Expecting logical in R5083 / R5083C18: got 'as CaCO3'
## Warning: Expecting logical in R5084 / R5084C18: got 'as N'
## Warning: Expecting logical in W5084 / R5084C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5084 / R5084C24: got '0.03'
## Warning: Expecting logical in Y5084 / R5084C25: got 'mg/L'
## Warning: Expecting logical in W5086 / R5086C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5086 / R5086C24: got '2.5'
## Warning: Expecting logical in Y5086 / R5086C25: got 'mg/L'
## Warning: Expecting logical in R5087 / R5087C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R5088 / R5088C18: got 'as N'
## Warning: Expecting logical in M5090 / R5090C13: got '7723-14-0'
## Warning: Expecting logical in R5090 / R5090C18: got 'as P'
## Warning: Expecting logical in M5091 / R5091C13: got '7723-14-0'
## Warning: Expecting logical in R5091 / R5091C18: got 'as P'
## Warning: Expecting logical in R5092 / R5092C18: got 'as CaCO3'
## Warning: Expecting logical in R5093 / R5093C18: got 'as N'
## Warning: Expecting logical in W5093 / R5093C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5093 / R5093C24: got '0.03'
## Warning: Expecting logical in Y5093 / R5093C25: got 'mg/L'
## Warning: Expecting logical in R5094 / R5094C18: got 'as N'
## Warning: Expecting logical in R5095 / R5095C18: got 'as N'
## Warning: Expecting logical in W5098 / R5098C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5098 / R5098C24: got '2.0'
## Warning: Expecting logical in Y5098 / R5098C25: got 'mg/L'
## Warning: Expecting logical in W5100 / R5100C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5100 / R5100C24: got '2.5'
## Warning: Expecting logical in Y5100 / R5100C25: got 'mg/L'
## Warning: Expecting logical in R5103 / R5103C18: got 'as CaCO3'
## Warning: Expecting logical in W5104 / R5104C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5104 / R5104C24: got '2.0'
## Warning: Expecting logical in Y5104 / R5104C25: got 'mg/L'
## Warning: Expecting logical in R5105 / R5105C18: got 'as CaCO3'
## Warning: Expecting logical in M5107 / R5107C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R5107 / R5107C18: got 'as P'
## Warning: Expecting logical in W5107 / R5107C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5107 / R5107C24: got '0.02'
## Warning: Expecting logical in Y5107 / R5107C25: got 'mg/L'
## Warning: Expecting logical in W5108 / R5108C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5108 / R5108C24: got '1.0'
## Warning: Expecting logical in Y5108 / R5108C25: got 'mg/L'
## Warning: Expecting logical in R5109 / R5109C18: got 'as N'
## Warning: Expecting logical in W5109 / R5109C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5109 / R5109C24: got '0.03'
## Warning: Expecting logical in Y5109 / R5109C25: got 'mg/L'
## Warning: Expecting logical in R5114 / R5114C18: got 'as N'
## Warning: Expecting logical in R5115 / R5115C18: got 'as CaCO3'
## Warning: Expecting logical in R5116 / R5116C18: got 'as N'
## Warning: Expecting logical in W5116 / R5116C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5116 / R5116C24: got '0.20'
## Warning: Expecting logical in Y5116 / R5116C25: got 'mg/L'
## Warning: Expecting logical in R5117 / R5117C18: got 'as CaCO3'
## Warning: Expecting logical in W5118 / R5118C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5118 / R5118C24: got '2.0'
## Warning: Expecting logical in Y5118 / R5118C25: got 'mg/L'
## Warning: Expecting logical in W5119 / R5119C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5119 / R5119C24: got '2.5'
## Warning: Expecting logical in Y5119 / R5119C25: got 'mg/L'
```

```
## Warning: Expecting logical in R5120 / R5120C18: got 'as CaCO3'
## Warning: Expecting logical in R5122 / R5122C18: got 'as N'
## Warning: Expecting logical in R5125 / R5125C18: got 'as N'
## Warning: Expecting logical in W5125 / R5125C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5125 / R5125C24: got '0.20'
## Warning: Expecting logical in Y5125 / R5125C25: got 'mg/L'
## Warning: Expecting logical in M5126 / R5126C13: got '7723-14-0'
## Warning: Expecting logical in R5126 / R5126C18: got 'as P'
## Warning: Expecting logical in W5126 / R5126C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5126 / R5126C24: got '0.02'
## Warning: Expecting logical in Y5126 / R5126C25: got 'mg/L'
## Warning: Expecting logical in R5129 / R5129C18: got 'as N'
## Warning: Expecting logical in W5129 / R5129C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5129 / R5129C24: got '0.03'
## Warning: Expecting logical in Y5129 / R5129C25: got 'mg/L'
## Warning: Expecting logical in R5131 / R5131C18: got 'as N'
## Warning: Expecting logical in W5131 / R5131C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5131 / R5131C24: got '0.03'
## Warning: Expecting logical in Y5131 / R5131C25: got 'mg/L'
## Warning: Expecting logical in R5132 / R5132C18: got 'as N'
## Warning: Expecting logical in W5132 / R5132C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5132 / R5132C24: got '0.20'
## Warning: Expecting logical in Y5132 / R5132C25: got 'mg/L'
## Warning: Expecting logical in W5133 / R5133C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5133 / R5133C24: got '2.0'
## Warning: Expecting logical in Y5133 / R5133C25: got 'mg/L'
## Warning: Expecting logical in R5135 / R5135C18: got 'as N'
## Warning: Expecting logical in R5137 / R5137C18: got 'as CaCO3'
## Warning: Expecting logical in M5138 / R5138C13: got '7723-14-0'
## Warning: Expecting logical in R5138 / R5138C18: got 'as P'
## Warning: Expecting logical in W5138 / R5138C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5138 / R5138C24: got '0.02'
## Warning: Expecting logical in Y5138 / R5138C25: got 'mg/L'
## Warning: Expecting logical in R5141 / R5141C18: got 'as CaCO3'
## Warning: Expecting logical in R5144 / R5144C18: got 'as CaCO3'
## Warning: Expecting logical in W5146 / R5146C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5146 / R5146C24: got '2.0'
## Warning: Expecting logical in Y5146 / R5146C25: got 'mg/L'
## Warning: Expecting logical in M5147 / R5147C13: got '7723-14-0'
## Warning: Expecting logical in R5147 / R5147C18: got 'as P'
## Warning: Expecting logical in R5148 / R5148C18: got 'as N'
## Warning: Expecting logical in W5148 / R5148C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5148 / R5148C24: got '0.20'
## Warning: Expecting logical in Y5148 / R5148C25: got 'mg/L'
## Warning: Expecting logical in R5150 / R5150C18: got 'as CaCO3'
## Warning: Expecting logical in R5154 / R5154C18: got 'as N'
## Warning: Expecting logical in R5155 / R5155C18: got 'as N'
## Warning: Expecting logical in W5155 / R5155C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5155 / R5155C24: got '0.03'
## Warning: Expecting logical in Y5155 / R5155C25: got 'mg/L'
## Warning: Expecting logical in R5157 / R5157C18: got 'as N'
## Warning: Expecting logical in W5157 / R5157C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5157 / R5157C24: got '0.03'
## Warning: Expecting logical in Y5157 / R5157C25: got 'mg/L'
## Warning: Expecting logical in R5158 / R5158C18: got 'as CaCO3'
## Warning: Expecting logical in R5160 / R5160C18: got 'as N'
## Warning: Expecting logical in R5162 / R5162C18: got 'as CaCO3'
## Warning: Expecting logical in R5166 / R5166C18: got 'as N'
## Warning: Expecting logical in M5168 / R5168C13: got '7723-14-0'
## Warning: Expecting logical in R5168 / R5168C18: got 'as P'
## Warning: Expecting logical in R5169 / R5169C18: got 'as CaCO3'
## Warning: Expecting logical in R5171 / R5171C18: got 'as N'
## Warning: Expecting logical in W5171 / R5171C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5171 / R5171C24: got '0.03'
## Warning: Expecting logical in Y5171 / R5171C25: got 'mg/L'
## Warning: Expecting logical in R5172 / R5172C18: got 'as N'
## Warning: Expecting logical in W5172 / R5172C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5172 / R5172C24: got '0.20'
## Warning: Expecting logical in Y5172 / R5172C25: got 'mg/L'
## Warning: Expecting logical in R5176 / R5176C18: got 'as CaCO3'
## Warning: Expecting logical in M5177 / R5177C13: got '7723-14-0'
## Warning: Expecting logical in R5177 / R5177C18: got 'as P'
```

```
## Warning: Expecting logical in W5179 / R5179C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5179 / R5179C24: got '2.0'
## Warning: Expecting logical in Y5179 / R5179C25: got 'mg/L'
## Warning: Expecting logical in R5180 / R5180C18: got 'as N'
## Warning: Expecting logical in W5182 / R5182C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5182 / R5182C24: got '2.5'
## Warning: Expecting logical in Y5182 / R5182C25: got 'mg/L'
## Warning: Expecting logical in R5183 / R5183C18: got 'as CaCO3'
## Warning: Expecting logical in M5184 / R5184C13: got '7723-14-0'
## Warning: Expecting logical in R5184 / R5184C18: got 'as P'
## Warning: Expecting logical in R5188 / R5188C18: got 'as N'
## Warning: Expecting logical in M5191 / R5191C13: got '68583-22-2'
## Warning: Expecting logical in R5192 / R5192C18: got 'as CaCO3'
## Warning: Expecting logical in W5193 / R5193C23: got 'Upper Reporting Limit'
## Warning: Expecting logical in X5193 / R5193C24: got '7.5'
## Warning: Expecting logical in Y5193 / R5193C25: got 'mg/L'
## Warning: Expecting logical in R5194 / R5194C18: got 'as N'
## Warning: Expecting logical in R5195 / R5195C18: got 'as N'
## Warning: Expecting logical in M5197 / R5197C13: got '14265-44-2'
## Warning: Expecting logical in R5197 / R5197C18: got 'as P'
## Warning: Expecting logical in W5197 / R5197C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5197 / R5197C24: got '0.04'
## Warning: Expecting logical in Y5197 / R5197C25: got 'mg/L'
## Warning: Expecting logical in M5198 / R5198C13: got '68583-22-2'
```

```
## Warning: Expecting logical in M5199 / R5199C13: got '68583-22-2'
## Warning: Expecting logical in M5200 / R5200C13: got '68583-22-2'
## Warning: Expecting logical in M5201 / R5201C13: got '68583-22-2'
## Warning: Expecting logical in M5202 / R5202C13: got '68583-22-2'
## Warning: Expecting logical in M5203 / R5203C13: got '68583-22-2'
## Warning: Expecting logical in M5205 / R5205C13: got '68583-22-2'
## Warning: Expecting logical in R5207 / R5207C18: got 'as N'
## Warning: Expecting logical in R5209 / R5209C18: got 'as N'
## Warning: Expecting logical in R5210 / R5210C18: got 'as CaCO3'
## Warning: Expecting logical in M5212 / R5212C13: got '7723-14-0'
## Warning: Expecting logical in R5212 / R5212C18: got 'as P'
## Warning: Expecting logical in M5213 / R5213C13: got '14265-44-2'
## Warning: Expecting logical in R5213 / R5213C18: got 'as P'
## Warning: Expecting logical in W5213 / R5213C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5213 / R5213C24: got '0.04'
## Warning: Expecting logical in Y5213 / R5213C25: got 'mg/L'
## Warning: Expecting logical in R5215 / R5215C18: got 'as CaCO3'
## Warning: Expecting logical in R5217 / R5217C18: got 'as N'
## Warning: Expecting logical in W5218 / R5218C23: got 'Upper Reporting Limit'
## Warning: Expecting logical in X5218 / R5218C24: got '8.3'
## Warning: Expecting logical in Y5218 / R5218C25: got 'mg/L'
## Warning: Expecting logical in M5220 / R5220C13: got '7723-14-0'
## Warning: Expecting logical in R5220 / R5220C18: got 'as P'
## Warning: Expecting logical in R5222 / R5222C18: got 'as N'
```

```
## Warning: Expecting logical in M5223 / R5223C13: got '68583-22-2'
## Warning: Expecting logical in R5227 / R5227C18: got 'as N'
## Warning: Expecting logical in R5228 / R5228C18: got 'as CaCO3'
## Warning: Expecting logical in R5230 / R5230C18: got 'as CaCO3'
## Warning: Expecting logical in R5232 / R5232C18: got 'as N'
## Warning: Expecting logical in R5233 / R5233C18: got 'as CaCO3'
## Warning: Expecting logical in R5235 / R5235C18: got 'as N'
## Warning: Expecting logical in R5239 / R5239C18: got 'as N'
## Warning: Expecting logical in R5240 / R5240C18: got 'as N'
## Warning: Expecting logical in M5242 / R5242C13: got '68583-22-2'
## Warning: Expecting logical in M5243 / R5243C13: got '7723-14-0'
## Warning: Expecting logical in R5243 / R5243C18: got 'as P'
## Warning: Expecting logical in R5244 / R5244C18: got 'as CaCO3'
## Warning: Expecting logical in W5245 / R5245C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5245 / R5245C24: got '2.0'
## Warning: Expecting logical in Y5245 / R5245C25: got 'mg/L'
## Warning: Expecting logical in R5247 / R5247C18: got 'as CaCO3'
## Warning: Expecting logical in R5251 / R5251C18: got 'as N'
## Warning: Expecting logical in R5252 / R5252C18: got 'as N'
## Warning: Expecting logical in M5255 / R5255C13: got '7723-14-0'
## Warning: Expecting logical in R5255 / R5255C18: got 'as P'
## Warning: Expecting logical in R5257 / R5257C18: got 'as N'
## Warning: Expecting logical in W5258 / R5258C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5258 / R5258C24: got '2.0'
```

```
## Warning: Expecting logical in Y5258 / R5258C25: got 'mg/L'
## Warning: Expecting logical in R5259 / R5259C18: got 'as CaCO3'
## Warning: Expecting logical in M5261 / R5261C13: got '68583-22-2'
## Warning: Expecting logical in M5262 / R5262C13: got '68583-22-2'
## Warning: Expecting logical in M5263 / R5263C13: got '68583-22-2'
## Warning: Expecting logical in M5264 / R5264C13: got '68583-22-2'
## Warning: Expecting logical in M5265 / R5265C13: got '68583-22-2'
## Warning: Expecting logical in M5266 / R5266C13: got '68583-22-2'
## Warning: Expecting logical in M5267 / R5267C13: got '68583-22-2'
## Warning: Expecting logical in M5268 / R5268C13: got '68583-22-2'
## Warning: Expecting logical in M5269 / R5269C13: got '68583-22-2'
## Warning: Expecting logical in M5270 / R5270C13: got '68583-22-2'
## Warning: Expecting logical in M5271 / R5271C13: got '68583-22-2'
## Warning: Expecting logical in R5273 / R5273C18: got 'as CaCO3'
## Warning: Expecting logical in R5278 / R5278C18: got 'as N'
## Warning: Expecting logical in W5279 / R5279C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5279 / R5279C24: got '2.0'
## Warning: Expecting logical in Y5279 / R5279C25: got 'mg/L'
## Warning: Expecting logical in R5280 / R5280C18: got 'as N'
## Warning: Expecting logical in W5280 / R5280C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5280 / R5280C24: got '0.02'
## Warning: Expecting logical in Y5280 / R5280C25: got 'mg/L'
## Warning: Expecting logical in R5282 / R5282C18: got 'as N'
## Warning: Expecting logical in R5283 / R5283C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in M5284 / R5284C13: got '7723-14-0'
## Warning: Expecting logical in R5284 / R5284C18: got 'as P'
## Warning: Expecting logical in M5286 / R5286C13: got '479-61-8'
## Warning: Expecting logical in R5287 / R5287C18: got 'as N'
## Warning: Expecting logical in M5288 / R5288C13: got '7723-14-0'
## Warning: Expecting logical in R5288 / R5288C18: got 'as P'
## Warning: Expecting logical in R5289 / R5289C18: got 'as N'
## Warning: Expecting logical in W5289 / R5289C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5289 / R5289C24: got '0.02'
## Warning: Expecting logical in Y5289 / R5289C25: got 'mg/L'
## Warning: Expecting logical in R5290 / R5290C18: got 'as N'
## Warning: Expecting logical in M5291 / R5291C13: got '479-61-8'
## Warning: Expecting logical in R5294 / R5294C18: got 'as CaCO3'
## Warning: Expecting logical in W5299 / R5299C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5299 / R5299C24: got '2.0'
## Warning: Expecting logical in Y5299 / R5299C25: got 'mg/L'
## Warning: Expecting logical in R5300 / R5300C18: got 'as CaCO3'
## Warning: Expecting logical in R5304 / R5304C18: got 'as CaCO3'
## Warning: Expecting logical in R5305 / R5305C18: got 'as N'
## Warning: Expecting logical in W5305 / R5305C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5305 / R5305C24: got '0.02'
## Warning: Expecting logical in Y5305 / R5305C25: got 'mg/L'
## Warning: Expecting logical in R5306 / R5306C18: got 'as N'
## Warning: Expecting logical in W5306 / R5306C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5306 / R5306C24: got '0.03'
## Warning: Expecting logical in Y5306 / R5306C25: got 'mg/L'
## Warning: Expecting logical in M5309 / R5309C13: got '479-61-8'
## Warning: Expecting logical in W5312 / R5312C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5312 / R5312C24: got '2.0'
## Warning: Expecting logical in Y5312 / R5312C25: got 'mg/L'
## Warning: Expecting logical in M5314 / R5314C13: got '7723-14-0'
## Warning: Expecting logical in R5314 / R5314C18: got 'as P'
## Warning: Expecting logical in R5315 / R5315C18: got 'as N'
## Warning: Expecting logical in R5316 / R5316C18: got 'as CaCO3'
## Warning: Expecting logical in M5320 / R5320C13: got '7723-14-0'
## Warning: Expecting logical in R5320 / R5320C18: got 'as P'
## Warning: Expecting logical in R5322 / R5322C18: got 'as N'
## Warning: Expecting logical in R5324 / R5324C18: got 'as N'
## Warning: Expecting logical in R5325 / R5325C18: got 'as N'
## Warning: Expecting logical in W5325 / R5325C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5325 / R5325C24: got '0.02'
## Warning: Expecting logical in Y5325 / R5325C25: got 'mg/L'
## Warning: Expecting logical in R5326 / R5326C18: got 'as CaCO3'
## Warning: Expecting logical in R5328 / R5328C18: got 'as CaCO3'
## Warning: Expecting logical in M5329 / R5329C13: got '479-61-8'
## Warning: Expecting logical in W5331 / R5331C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5331 / R5331C24: got '2.0'
## Warning: Expecting logical in Y5331 / R5331C25: got 'mg/L'
```

```
## Warning: Expecting logical in M5333 / R5333C13: got '7723-14-0'
## Warning: Expecting logical in R5333 / R5333C18: got 'as P'
## Warning: Expecting logical in M5335 / R5335C13: got '479-61-8'
## Warning: Expecting logical in R5338 / R5338C18: got 'as N'
## Warning: Expecting logical in W5338 / R5338C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5338 / R5338C24: got '0.02'
## Warning: Expecting logical in Y5338 / R5338C25: got 'mg/L'
## Warning: Expecting logical in R5339 / R5339C18: got 'as CaCO3'
## Warning: Expecting logical in R5341 / R5341C18: got 'as N'
## Warning: Expecting logical in W5341 / R5341C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5341 / R5341C24: got '0.20'
## Warning: Expecting logical in Y5341 / R5341C25: got 'mg/L'
## Warning: Expecting logical in W5342 / R5342C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5342 / R5342C24: got '2.0'
## Warning: Expecting logical in Y5342 / R5342C25: got 'mg/L'
## Warning: Expecting logical in R5344 / R5344C18: got 'as N'
## Warning: Expecting logical in W5344 / R5344C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5344 / R5344C24: got '0.03'
## Warning: Expecting logical in Y5344 / R5344C25: got 'mg/L'
## Warning: Expecting logical in R5345 / R5345C18: got 'as CaCO3'
## Warning: Expecting logical in R5347 / R5347C18: got 'as N'
## Warning: Expecting logical in R5348 / R5348C18: got 'as CaCO3'
## Warning: Expecting logical in R5351 / R5351C18: got 'as N'
## Warning: Expecting logical in R5352 / R5352C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R5355 / R5355C18: got 'as N'
## Warning: Expecting logical in M5356 / R5356C13: got '479-61-8'
## Warning: Expecting logical in W5359 / R5359C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5359 / R5359C24: got '2.0'
## Warning: Expecting logical in Y5359 / R5359C25: got 'mg/L'
## Warning: Expecting logical in M5360 / R5360C13: got '7723-14-0'
## Warning: Expecting logical in R5360 / R5360C18: got 'as P'
## Warning: Expecting logical in M5362 / R5362C13: got '479-61-8'
## Warning: Expecting logical in R5366 / R5366C18: got 'as CaCO3'
## Warning: Expecting logical in R5369 / R5369C18: got 'as CaCO3'
## Warning: Expecting logical in R5370 / R5370C18: got 'as N'
## Warning: Expecting logical in R5371 / R5371C18: got 'as N'
## Warning: Expecting logical in W5371 / R5371C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5371 / R5371C24: got '0.02'
## Warning: Expecting logical in Y5371 / R5371C25: got 'mg/L'
## Warning: Expecting logical in W5372 / R5372C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5372 / R5372C24: got '2.0'
## Warning: Expecting logical in Y5372 / R5372C25: got 'mg/L'
## Warning: Expecting logical in R5374 / R5374C18: got 'as N'
## Warning: Expecting logical in M5375 / R5375C13: got '7723-14-0'
## Warning: Expecting logical in R5375 / R5375C18: got 'as P'
## Warning: Expecting logical in M5377 / R5377C13: got '479-61-8'
## Warning: Expecting logical in R5378 / R5378C18: got 'as CaCO3'
## Warning: Expecting logical in R5380 / R5380C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R5383 / R5383C18: got 'as N'
## Warning: Expecting logical in M5384 / R5384C13: got '7723-14-0'
## Warning: Expecting logical in R5384 / R5384C18: got 'as P'
## Warning: Expecting logical in R5385 / R5385C18: got 'as N'
## Warning: Expecting logical in W5385 / R5385C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5385 / R5385C24: got '0.02'
## Warning: Expecting logical in Y5385 / R5385C25: got 'mg/L'
## Warning: Expecting logical in R5386 / R5386C18: got 'as N'
## Warning: Expecting logical in W5391 / R5391C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5391 / R5391C24: got '2.0'
## Warning: Expecting logical in Y5391 / R5391C25: got 'mg/L'
## Warning: Expecting logical in M5392 / R5392C13: got '479-61-8'
## Warning: Expecting logical in W5394 / R5394C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5394 / R5394C24: got '2.0'
## Warning: Expecting logical in Y5394 / R5394C25: got 'mg/L'
## Warning: Expecting logical in R5398 / R5398C18: got 'as N'
## Warning: Expecting logical in W5398 / R5398C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5398 / R5398C24: got '0.02'
## Warning: Expecting logical in Y5398 / R5398C25: got 'mg/L'
## Warning: Expecting logical in R5400 / R5400C18: got 'as CaCO3'
## Warning: Expecting logical in M5401 / R5401C13: got '7723-14-0'
## Warning: Expecting logical in R5401 / R5401C18: got 'as P'
## Warning: Expecting logical in R5402 / R5402C18: got 'as N'
## Warning: Expecting logical in W5402 / R5402C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5402 / R5402C24: got '0.03'
## Warning: Expecting logical in Y5402 / R5402C25: got 'mg/L'
## Warning: Expecting logical in R5403 / R5403C18: got 'as N'
## Warning: Expecting logical in R5405 / R5405C18: got 'as CaCO3'
## Warning: Expecting logical in R5408 / R5408C18: got 'as CaCO3'
## Warning: Expecting logical in W5410 / R5410C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5410 / R5410C24: got '2.0'
## Warning: Expecting logical in Y5410 / R5410C25: got 'mg/L'
## Warning: Expecting logical in R5413 / R5413C18: got 'as CaCO3'
## Warning: Expecting logical in R5414 / R5414C18: got 'as N'
## Warning: Expecting logical in W5414 / R5414C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5414 / R5414C24: got '0.03'
## Warning: Expecting logical in Y5414 / R5414C25: got 'mg/L'
## Warning: Expecting logical in M5415 / R5415C13: got '479-61-8'
## Warning: Expecting logical in R5417 / R5417C18: got 'as N'
## Warning: Expecting logical in M5418 / R5418C13: got '7723-14-0'
## Warning: Expecting logical in R5418 / R5418C18: got 'as P'
## Warning: Expecting logical in R5420 / R5420C18: got 'as N'
## Warning: Expecting logical in W5420 / R5420C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5420 / R5420C24: got '0.02'
## Warning: Expecting logical in Y5420 / R5420C25: got 'mg/L'
## Warning: Expecting logical in M5421 / R5421C13: got '479-61-8'
## Warning: Expecting logical in R5422 / R5422C18: got 'as N'
## Warning: Expecting logical in W5422 / R5422C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5422 / R5422C24: got '0.03'
## Warning: Expecting logical in Y5422 / R5422C25: got 'mg/L'
## Warning: Expecting logical in W5423 / R5423C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5423 / R5423C24: got '2.0'
## Warning: Expecting logical in Y5423 / R5423C25: got 'mg/L'
## Warning: Expecting logical in R5425 / R5425C18: got 'as N'
## Warning: Expecting logical in R5426 / R5426C18: got 'as CaCO3'
## Warning: Expecting logical in R5428 / R5428C18: got 'as N'
## Warning: Expecting logical in R5430 / R5430C18: got 'as CaCO3'
## Warning: Expecting logical in M5435 / R5435C13: got '7723-14-0'
## Warning: Expecting logical in R5435 / R5435C18: got 'as P'
## Warning: Expecting logical in M5436 / R5436C13: got '68583-22-2'
## Warning: Expecting logical in M5437 / R5437C13: got '68583-22-2'
## Warning: Expecting logical in M5438 / R5438C13: got '68583-22-2'
## Warning: Expecting logical in M5439 / R5439C13: got '68583-22-2'
## Warning: Expecting logical in M5440 / R5440C13: got '68583-22-2'
## Warning: Expecting logical in M5441 / R5441C13: got '68583-22-2'
## Warning: Expecting logical in M5442 / R5442C13: got '68583-22-2'
## Warning: Expecting logical in M5443 / R5443C13: got '68583-22-2'
## Warning: Expecting logical in M5444 / R5444C13: got '68583-22-2'
## Warning: Expecting logical in M5445 / R5445C13: got '68583-22-2'
## Warning: Expecting logical in M5446 / R5446C13: got '68583-22-2'
## Warning: Expecting logical in M5447 / R5447C13: got '68583-22-2'
## Warning: Expecting logical in M5448 / R5448C13: got '68583-22-2'
```

```
## Warning: Expecting logical in R5449 / R5449C18: got 'as N'
## Warning: Expecting logical in W5449 / R5449C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5449 / R5449C24: got '0.20'
## Warning: Expecting logical in Y5449 / R5449C25: got 'mg/L'
## Warning: Expecting logical in R5452 / R5452C18: got 'as CaCO3'
## Warning: Expecting logical in M5453 / R5453C13: got '7723-14-0'
## Warning: Expecting logical in R5453 / R5453C18: got 'as P'
## Warning: Expecting logical in W5453 / R5453C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5453 / R5453C24: got '0.02'
## Warning: Expecting logical in Y5453 / R5453C25: got 'mg/L'
## Warning: Expecting logical in R5455 / R5455C18: got 'as N'
## Warning: Expecting logical in W5455 / R5455C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5455 / R5455C24: got '0.02'
## Warning: Expecting logical in Y5455 / R5455C25: got 'mg/L'
## Warning: Expecting logical in W5456 / R5456C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5456 / R5456C24: got '2.0'
## Warning: Expecting logical in Y5456 / R5456C25: got 'mg/L'
## Warning: Expecting logical in R5457 / R5457C18: got 'as N'
## Warning: Expecting logical in W5457 / R5457C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5457 / R5457C24: got '0.03'
## Warning: Expecting logical in Y5457 / R5457C25: got 'mg/L'
## Warning: Expecting logical in W5458 / R5458C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5458 / R5458C24: got '2.5'
## Warning: Expecting logical in Y5458 / R5458C25: got 'mg/L'
```

```
## Warning: Expecting logical in R5460 / R5460C18: got 'as CaCO3'
## Warning: Expecting logical in W5461 / R5461C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5461 / R5461C24: got '2.5'
## Warning: Expecting logical in Y5461 / R5461C25: got 'mg/L'
## Warning: Expecting logical in M5462 / R5462C13: got '68583-22-2'
## Warning: Expecting logical in R5464 / R5464C18: got 'as N'
## Warning: Expecting logical in W5464 / R5464C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5464 / R5464C24: got '0.03'
## Warning: Expecting logical in Y5464 / R5464C25: got 'mg/L'
## Warning: Expecting logical in R5465 / R5465C18: got 'as N'
## Warning: Expecting logical in R5466 / R5466C18: got 'as CaCO3'
## Warning: Expecting logical in M5469 / R5469C13: got '14265-44-2'
## Warning: Expecting logical in R5469 / R5469C18: got 'as P'
## Warning: Expecting logical in W5469 / R5469C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5469 / R5469C24: got '0.04'
## Warning: Expecting logical in Y5469 / R5469C25: got 'mg/L'
## Warning: Expecting logical in R5470 / R5470C18: got 'as CaCO3'
## Warning: Expecting logical in W5473 / R5473C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5473 / R5473C24: got '2.0'
## Warning: Expecting logical in Y5473 / R5473C25: got 'mg/L'
## Warning: Expecting logical in M5474 / R5474C13: got '7723-14-0'
## Warning: Expecting logical in R5474 / R5474C18: got 'as P'
## Warning: Expecting logical in W5474 / R5474C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5474 / R5474C24: got '0.02'
```

```
## Warning: Expecting logical in Y5474 / R5474C25: got 'mg/L'
## Warning: Expecting logical in R5475 / R5475C18: got 'as N'
## Warning: Expecting logical in W5475 / R5475C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5475 / R5475C24: got '0.20'
## Warning: Expecting logical in Y5475 / R5475C25: got 'mg/L'
## Warning: Expecting logical in R5476 / R5476C18: got 'as N'
## Warning: Expecting logical in M5477 / R5477C13: got '68583-22-2'
## Warning: Expecting logical in W5478 / R5478C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5478 / R5478C24: got '2.0'
## Warning: Expecting logical in Y5478 / R5478C25: got 'mg/L'
## Warning: Expecting logical in R5482 / R5482C18: got 'as N'
## Warning: Expecting logical in W5482 / R5482C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5482 / R5482C24: got '0.03'
## Warning: Expecting logical in Y5482 / R5482C25: got 'mg/L'
## Warning: Expecting logical in R5484 / R5484C18: got 'as CaCO3'
## Warning: Expecting logical in R5485 / R5485C18: got 'as CaCO3'
## Warning: Expecting logical in M5487 / R5487C13: got '7723-14-0'
## Warning: Expecting logical in R5487 / R5487C18: got 'as P'
## Warning: Expecting logical in R5488 / R5488C18: got 'as N'
## Warning: Expecting logical in W5488 / R5488C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5488 / R5488C24: got '0.20'
## Warning: Expecting logical in Y5488 / R5488C25: got 'mg/L'
## Warning: Expecting logical in W5491 / R5491C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5491 / R5491C24: got '2.0'
```

```
## Warning: Expecting logical in Y5491 / R5491C25: got 'mg/L'
## Warning: Expecting logical in R5492 / R5492C18: got 'as N'
## Warning: Expecting logical in W5492 / R5492C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5492 / R5492C24: got '0.02'
## Warning: Expecting logical in Y5492 / R5492C25: got 'mg/L'
## Warning: Expecting logical in M5495 / R5495C13: got '7723-14-0'
## Warning: Expecting logical in R5495 / R5495C18: got 'as P'
## Warning: Expecting logical in W5495 / R5495C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5495 / R5495C24: got '0.02'
## Warning: Expecting logical in Y5495 / R5495C25: got 'mg/L'
## Warning: Expecting logical in R5497 / R5497C18: got 'as N'
## Warning: Expecting logical in W5497 / R5497C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5497 / R5497C24: got '0.20'
## Warning: Expecting logical in Y5497 / R5497C25: got 'mg/L'
## Warning: Expecting logical in R5498 / R5498C18: got 'as CaCO3'
## Warning: Expecting logical in R5500 / R5500C18: got 'as N'
## Warning: Expecting logical in W5500 / R5500C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5500 / R5500C24: got '0.03'
## Warning: Expecting logical in Y5500 / R5500C25: got 'mg/L'
## Warning: Expecting logical in R5501 / R5501C18: got 'as CaCO3'
## Warning: Expecting logical in W5502 / R5502C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5502 / R5502C24: got '2.5'
## Warning: Expecting logical in Y5502 / R5502C25: got 'mg/L'
## Warning: Expecting logical in M5505 / R5505C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R5505 / R5505C18: got 'as P'
## Warning: Expecting logical in M5506 / R5506C13: got '68583-22-2'
## Warning: Expecting logical in R5509 / R5509C18: got 'as N'
## Warning: Expecting logical in W5510 / R5510C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5510 / R5510C24: got '2.0'
## Warning: Expecting logical in Y5510 / R5510C25: got 'mg/L'
## Warning: Expecting logical in R5512 / R5512C18: got 'as CaCO3'
## Warning: Expecting logical in R5514 / R5514C18: got 'as N'
## Warning: Expecting logical in R5515 / R5515C18: got 'as CaCO3'
## Warning: Expecting logical in R5516 / R5516C18: got 'as N'
## Warning: Expecting logical in R5518 / R5518C18: got 'as N'
## Warning: Expecting logical in W5518 / R5518C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5518 / R5518C24: got '0.20'
## Warning: Expecting logical in Y5518 / R5518C25: got 'mg/L'
## Warning: Expecting logical in R5520 / R5520C18: got 'as N'
## Warning: Expecting logical in W5520 / R5520C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5520 / R5520C24: got '0.03'
## Warning: Expecting logical in Y5520 / R5520C25: got 'mg/L'
## Warning: Expecting logical in R5523 / R5523C18: got 'as N'
## Warning: Expecting logical in R5524 / R5524C18: got 'as CaCO3'
## Warning: Expecting logical in M5525 / R5525C13: got '7723-14-0'
## Warning: Expecting logical in R5525 / R5525C18: got 'as P'
## Warning: Expecting logical in W5525 / R5525C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5525 / R5525C24: got '0.02'
```

```
## Warning: Expecting logical in Y5525 / R5525C25: got 'mg/L'
## Warning: Expecting logical in W5526 / R5526C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5526 / R5526C24: got '2.0'
## Warning: Expecting logical in Y5526 / R5526C25: got 'mg/L'
## Warning: Expecting logical in R5527 / R5527C18: got 'as CaCO3'
## Warning: Expecting logical in W5528 / R5528C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5528 / R5528C24: got '2.5'
## Warning: Expecting logical in Y5528 / R5528C25: got 'mg/L'
## Warning: Expecting logical in R5530 / R5530C18: got 'as N'
## Warning: Expecting logical in W5530 / R5530C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5530 / R5530C24: got '0.03'
## Warning: Expecting logical in Y5530 / R5530C25: got 'mg/L'
## Warning: Expecting logical in R5532 / R5532C18: got 'as CaCO3'
## Warning: Expecting logical in R5533 / R5533C18: got 'as CaCO3'
## Warning: Expecting logical in M5534 / R5534C13: got '7723-14-0'
## Warning: Expecting logical in R5534 / R5534C18: got 'as P'
## Warning: Expecting logical in W5534 / R5534C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5534 / R5534C24: got '0.02'
## Warning: Expecting logical in Y5534 / R5534C25: got 'mg/L'
## Warning: Expecting logical in R5535 / R5535C18: got 'as N'
## Warning: Expecting logical in W5535 / R5535C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5535 / R5535C24: got '0.02'
## Warning: Expecting logical in Y5535 / R5535C25: got 'mg/L'
## Warning: Expecting logical in W5536 / R5536C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5536 / R5536C24: got '2.5'
## Warning: Expecting logical in Y5536 / R5536C25: got 'mg/L'
## Warning: Expecting logical in W5537 / R5537C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5537 / R5537C24: got '2.0'
## Warning: Expecting logical in Y5537 / R5537C25: got 'mg/L'
## Warning: Expecting logical in R5539 / R5539C18: got 'as N'
## Warning: Expecting logical in W5539 / R5539C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5539 / R5539C24: got '0.20'
## Warning: Expecting logical in Y5539 / R5539C25: got 'mg/L'
## Warning: Expecting logical in R5541 / R5541C18: got 'as N'
## Warning: Expecting logical in R5542 / R5542C18: got 'as N'
## Warning: Expecting logical in W5542 / R5542C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5542 / R5542C24: got '0.20'
## Warning: Expecting logical in Y5542 / R5542C25: got 'mg/L'
## Warning: Expecting logical in R5544 / R5544C18: got 'as CaCO3'
## Warning: Expecting logical in W5546 / R5546C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5546 / R5546C24: got '2.5'
## Warning: Expecting logical in Y5546 / R5546C25: got 'mg/L'
## Warning: Expecting logical in R5548 / R5548C18: got 'as N'
## Warning: Expecting logical in W5548 / R5548C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5548 / R5548C24: got '0.03'
## Warning: Expecting logical in Y5548 / R5548C25: got 'mg/L'
## Warning: Expecting logical in W5549 / R5549C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5549 / R5549C24: got '2.0'
```

```
## Warning: Expecting logical in Y5549 / R5549C25: got 'mg/L'
## Warning: Expecting logical in M5551 / R5551C13: got '7723-14-0'
## Warning: Expecting logical in R5551 / R5551C18: got 'as P'
## Warning: Expecting logical in W5551 / R5551C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5551 / R5551C24: got '0.02'
## Warning: Expecting logical in Y5551 / R5551C25: got 'mg/L'
## Warning: Expecting logical in R5552 / R5552C18: got 'as CaCO3'
## Warning: Expecting logical in R5555 / R5555C18: got 'as CaCO3'
## Warning: Expecting logical in M5556 / R5556C13: got '7723-14-0'
## Warning: Expecting logical in R5556 / R5556C18: got 'as P'
## Warning: Expecting logical in W5556 / R5556C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5556 / R5556C24: got '0.02'
## Warning: Expecting logical in Y5556 / R5556C25: got 'mg/L'
## Warning: Expecting logical in R5558 / R5558C18: got 'as N'
## Warning: Expecting logical in W5558 / R5558C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5558 / R5558C24: got '0.02'
## Warning: Expecting logical in Y5558 / R5558C25: got 'mg/L'
## Warning: Expecting logical in R5559 / R5559C18: got 'as CaCO3'
## Warning: Expecting logical in R5560 / R5560C18: got 'as N'
## Warning: Expecting logical in W5560 / R5560C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5560 / R5560C24: got '0.20'
## Warning: Expecting logical in Y5560 / R5560C25: got 'mg/L'
## Warning: Expecting logical in R5562 / R5562C18: got 'as N'
## Warning: Expecting logical in W5562 / R5562C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X5562 / R5562C24: got '0.03'
## Warning: Expecting logical in Y5562 / R5562C25: got 'mg/L'
## Warning: Expecting logical in W5563 / R5563C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5563 / R5563C24: got '2.0'
## Warning: Expecting logical in Y5563 / R5563C25: got 'mg/L'
## Warning: Expecting logical in W5564 / R5564C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5564 / R5564C24: got '2.5'
## Warning: Expecting logical in Y5564 / R5564C25: got 'mg/L'
## Warning: Expecting logical in R5566 / R5566C18: got 'as CaCO3'
## Warning: Expecting logical in R5567 / R5567C18: got 'as N'
## Warning: Expecting logical in W5567 / R5567C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5567 / R5567C24: got '0.20'
## Warning: Expecting logical in Y5567 / R5567C25: got 'mg/L'
## Warning: Expecting logical in W5568 / R5568C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5568 / R5568C24: got '2.0'
## Warning: Expecting logical in Y5568 / R5568C25: got 'mg/L'
## Warning: Expecting logical in W5569 / R5569C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5569 / R5569C24: got '2.5'
## Warning: Expecting logical in Y5569 / R5569C25: got 'mg/L'
## Warning: Expecting logical in M5572 / R5572C13: got '7723-14-0'
## Warning: Expecting logical in R5572 / R5572C18: got 'as P'
## Warning: Expecting logical in W5572 / R5572C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5572 / R5572C24: got '0.02'
## Warning: Expecting logical in Y5572 / R5572C25: got 'mg/L'
```

```
## Warning: Expecting logical in R5573 / R5573C18: got 'as CaCO3'
## Warning: Expecting logical in R5575 / R5575C18: got 'as N'
## Warning: Expecting logical in W5575 / R5575C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5575 / R5575C24: got '0.03'
## Warning: Expecting logical in Y5575 / R5575C25: got 'mg/L'
## Warning: Expecting logical in R5576 / R5576C18: got 'as N'
## Warning: Expecting logical in R5578 / R5578C18: got 'as CaCO3'
## Warning: Expecting logical in R5579 / R5579C18: got 'as N'
## Warning: Expecting logical in W5579 / R5579C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5579 / R5579C24: got '0.03'
## Warning: Expecting logical in Y5579 / R5579C25: got 'mg/L'
## Warning: Expecting logical in W5580 / R5580C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5580 / R5580C24: got '2.5'
## Warning: Expecting logical in Y5580 / R5580C25: got 'mg/L'
## Warning: Expecting logical in R5583 / R5583C18: got 'as N'
## Warning: Expecting logical in W5583 / R5583C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5583 / R5583C24: got '0.02'
## Warning: Expecting logical in Y5583 / R5583C25: got 'mg/L'
## Warning: Expecting logical in R5584 / R5584C18: got 'as CaCO3'
## Warning: Expecting logical in W5585 / R5585C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5585 / R5585C24: got '1.0'
## Warning: Expecting logical in Y5585 / R5585C25: got 'mg/L'
## Warning: Expecting logical in W5586 / R5586C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5586 / R5586C24: got '2.0'
```

```
## Warning: Expecting logical in Y5586 / R5586C25: got 'mg/L'
## Warning: Expecting logical in M5587 / R5587C13: got '7723-14-0'
## Warning: Expecting logical in R5587 / R5587C18: got 'as P'
## Warning: Expecting logical in W5587 / R5587C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5587 / R5587C24: got '0.02'
## Warning: Expecting logical in Y5587 / R5587C25: got 'mg/L'
## Warning: Expecting logical in R5588 / R5588C18: got 'as N'
## Warning: Expecting logical in W5588 / R5588C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5588 / R5588C24: got '0.20'
## Warning: Expecting logical in Y5588 / R5588C25: got 'mg/L'
## Warning: Expecting logical in W5589 / R5589C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5589 / R5589C24: got '1.0'
## Warning: Expecting logical in Y5589 / R5589C25: got 'mg/L'
## Warning: Expecting logical in W5590 / R5590C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5590 / R5590C24: got '2.5'
## Warning: Expecting logical in Y5590 / R5590C25: got 'mg/L'
## Warning: Expecting logical in R5591 / R5591C18: got 'as N'
## Warning: Expecting logical in W5591 / R5591C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5591 / R5591C24: got '0.20'
## Warning: Expecting logical in Y5591 / R5591C25: got 'mg/L'
## Warning: Expecting logical in R5592 / R5592C18: got 'as N'
## Warning: Expecting logical in W5592 / R5592C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5592 / R5592C24: got '0.03'
## Warning: Expecting logical in Y5592 / R5592C25: got 'mg/L'
```

```
## Warning: Expecting logical in R5593 / R5593C18: got 'as CaCO3'
## Warning: Expecting logical in R5595 / R5595C18: got 'as N'
## Warning: Expecting logical in W5595 / R5595C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5595 / R5595C24: got '0.02'
## Warning: Expecting logical in Y5595 / R5595C25: got 'mg/L'
## Warning: Expecting logical in M5596 / R5596C13: got '7723-14-0'
## Warning: Expecting logical in R5596 / R5596C18: got 'as P'
## Warning: Expecting logical in W5596 / R5596C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5596 / R5596C24: got '0.02'
## Warning: Expecting logical in Y5596 / R5596C25: got 'mg/L'
## Warning: Expecting logical in R5597 / R5597C18: got 'as CaCO3'
## Warning: Expecting logical in W5599 / R5599C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5599 / R5599C24: got '1.0'
## Warning: Expecting logical in Y5599 / R5599C25: got 'NTU'
## Warning: Expecting logical in W5600 / R5600C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5600 / R5600C24: got '2.0'
## Warning: Expecting logical in Y5600 / R5600C25: got 'mg/L'
## Warning: Expecting logical in R5601 / R5601C18: got 'as CaCO3'
## Warning: Expecting logical in W5602 / R5602C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5602 / R5602C24: got '2.0'
## Warning: Expecting logical in Y5602 / R5602C25: got 'mg/L'
## Warning: Expecting logical in W5603 / R5603C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5603 / R5603C24: got '1.0'
## Warning: Expecting logical in Y5603 / R5603C25: got 'mg/L'
```

```
## Warning: Expecting logical in W5604 / R5604C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5604 / R5604C24: got '2.5'
## Warning: Expecting logical in Y5604 / R5604C25: got 'mg/L'
## Warning: Expecting logical in M5605 / R5605C13: got '7723-14-0'
## Warning: Expecting logical in R5605 / R5605C18: got 'as P'
## Warning: Expecting logical in W5605 / R5605C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5605 / R5605C24: got '0.02'
## Warning: Expecting logical in Y5605 / R5605C25: got 'mg/L'
## Warning: Expecting logical in R5608 / R5608C18: got 'as N'
## Warning: Expecting logical in W5608 / R5608C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5608 / R5608C24: got '0.20'
## Warning: Expecting logical in Y5608 / R5608C25: got 'mg/L'
## Warning: Expecting logical in R5609 / R5609C18: got 'as CaCO3'
## Warning: Expecting logical in R5610 / R5610C18: got 'as N'
## Warning: Expecting logical in W5610 / R5610C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5610 / R5610C24: got '0.03'
## Warning: Expecting logical in Y5610 / R5610C25: got 'mg/L'
## Warning: Expecting logical in R5611 / R5611C18: got 'as N'
## Warning: Expecting logical in W5611 / R5611C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5611 / R5611C24: got '0.02'
## Warning: Expecting logical in Y5611 / R5611C25: got 'mg/L'
## Warning: Expecting logical in W5612 / R5612C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5612 / R5612C24: got '1.0'
## Warning: Expecting logical in Y5612 / R5612C25: got 'NTU'
```

```
## Warning: Expecting logical in W5614 / R5614C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5614 / R5614C24: got '2.5'
## Warning: Expecting logical in Y5614 / R5614C25: got 'mg/L'
## Warning: Expecting logical in R5615 / R5615C18: got 'as N'
## Warning: Expecting logical in W5615 / R5615C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5615 / R5615C24: got '0.03'
## Warning: Expecting logical in Y5615 / R5615C25: got 'mg/L'
## Warning: Expecting logical in R5616 / R5616C18: got 'as CaCO3'
## Warning: Expecting logical in M5618 / R5618C13: got '7723-14-0'
## Warning: Expecting logical in R5618 / R5618C18: got 'as P'
## Warning: Expecting logical in M5620 / R5620C13: got '479-61-8'
## Warning: Expecting logical in R5621 / R5621C18: got 'as N'
## Warning: Expecting logical in W5621 / R5621C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5621 / R5621C24: got '0.20'
## Warning: Expecting logical in Y5621 / R5621C25: got 'mg/L'
## Warning: Expecting logical in R5622 / R5622C18: got 'as CaCO3'
## Warning: Expecting logical in R5624 / R5624C18: got 'as N'
## Warning: Expecting logical in W5624 / R5624C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5624 / R5624C24: got '0.02'
## Warning: Expecting logical in Y5624 / R5624C25: got 'mg/L'
## Warning: Expecting logical in W5625 / R5625C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5625 / R5625C24: got '2.0'
## Warning: Expecting logical in Y5625 / R5625C25: got 'mg/L'
## Warning: Expecting logical in M5628 / R5628C13: got '14265-44-2'
```

```
## Warning: Expecting logical in R5628 / R5628C18: got 'as P'
## Warning: Expecting logical in W5628 / R5628C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5628 / R5628C24: got '0.04'
## Warning: Expecting logical in Y5628 / R5628C25: got 'mg/L'
## Warning: Expecting logical in R5631 / R5631C18: got 'as N'
## Warning: Expecting logical in R5632 / R5632C18: got 'as CaCO3'
## Warning: Expecting logical in R5633 / R5633C18: got 'as N'
## Warning: Expecting logical in W5633 / R5633C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5633 / R5633C24: got '0.03'
## Warning: Expecting logical in Y5633 / R5633C25: got 'mg/L'
## Warning: Expecting logical in W5635 / R5635C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5635 / R5635C24: got '2.5'
## Warning: Expecting logical in Y5635 / R5635C25: got 'mg/L'
## Warning: Expecting logical in R5636 / R5636C18: got 'as CaCO3'
## Warning: Expecting logical in R5638 / R5638C18: got 'as N'
## Warning: Expecting logical in W5638 / R5638C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5638 / R5638C24: got '0.20'
## Warning: Expecting logical in Y5638 / R5638C25: got 'mg/L'
## Warning: Expecting logical in M5639 / R5639C13: got '7723-14-0'
## Warning: Expecting logical in R5639 / R5639C18: got 'as P'
## Warning: Expecting logical in M5640 / R5640C13: got '68583-22-2'
## Warning: Expecting logical in M5641 / R5641C13: got '68583-22-2'
## Warning: Expecting logical in M5642 / R5642C13: got '68583-22-2'
## Warning: Expecting logical in M5643 / R5643C13: got '68583-22-2'
```

```
## Warning: Expecting logical in R5644 / R5644C18: got 'as N'
## Warning: Expecting logical in R5645 / R5645C18: got 'as CaCO3'
## Warning: Expecting logical in R5650 / R5650C18: got 'as CaCO3'
## Warning: Expecting logical in M5651 / R5651C13: got '7723-14-0'
## Warning: Expecting logical in R5651 / R5651C18: got 'as P'
## Warning: Expecting logical in R5652 / R5652C18: got 'as N'
## Warning: Expecting logical in W5652 / R5652C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5652 / R5652C24: got '0.20'
## Warning: Expecting logical in Y5652 / R5652C25: got 'mg/L'
## Warning: Expecting logical in W5653 / R5653C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5653 / R5653C24: got '2.0'
## Warning: Expecting logical in Y5653 / R5653C25: got 'mg/L'
## Warning: Expecting logical in R5656 / R5656C18: got 'as N'
## Warning: Expecting logical in W5656 / R5656C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5656 / R5656C24: got '0.03'
## Warning: Expecting logical in Y5656 / R5656C25: got 'mg/L'
## Warning: Expecting logical in R5658 / R5658C18: got 'as CaCO3'
## Warning: Expecting logical in W5659 / R5659C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5659 / R5659C24: got '2.5'
## Warning: Expecting logical in Y5659 / R5659C25: got 'mg/L'
## Warning: Expecting logical in M5660 / R5660C13: got '14265-44-2'
## Warning: Expecting logical in R5660 / R5660C18: got 'as P'
## Warning: Expecting logical in W5660 / R5660C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5660 / R5660C24: got '0.04'
```

```
## Warning: Expecting logical in Y5660 / R5660C25: got 'mg/L'
## Warning: Expecting logical in R5662 / R5662C18: got 'as N'
## Warning: Expecting logical in W5662 / R5662C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5662 / R5662C24: got '0.20'
## Warning: Expecting logical in Y5662 / R5662C25: got 'mg/L'
## Warning: Expecting logical in R5663 / R5663C18: got 'as N'
## Warning: Expecting logical in W5663 / R5663C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5663 / R5663C24: got '0.03'
## Warning: Expecting logical in Y5663 / R5663C25: got 'mg/L'
## Warning: Expecting logical in M5664 / R5664C13: got '7723-14-0'
## Warning: Expecting logical in R5664 / R5664C18: got 'as P'
## Warning: Expecting logical in W5664 / R5664C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5664 / R5664C24: got '0.02'
## Warning: Expecting logical in Y5664 / R5664C25: got 'mg/L'
## Warning: Expecting logical in R5665 / R5665C18: got 'as N'
## Warning: Expecting logical in R5667 / R5667C18: got 'as CaCO3'
## Warning: Expecting logical in W5668 / R5668C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5668 / R5668C24: got '2.0'
## Warning: Expecting logical in Y5668 / R5668C25: got 'mg/L'
## Warning: Expecting logical in R5671 / R5671C18: got 'as CaCO3'
## Warning: Expecting logical in R5672 / R5672C18: got 'as CaCO3'
## Warning: Expecting logical in M5673 / R5673C13: got '7723-14-0'
## Warning: Expecting logical in R5673 / R5673C18: got 'as P'
## Warning: Expecting logical in R5676 / R5676C18: got 'as N'
```

```
## Warning: Expecting logical in W5676 / R5676C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5676 / R5676C24: got '0.03'
## Warning: Expecting logical in Y5676 / R5676C25: got 'mg/L'
## Warning: Expecting logical in R5677 / R5677C18: got 'as N'
## Warning: Expecting logical in W5680 / R5680C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5680 / R5680C24: got '2.0'
## Warning: Expecting logical in Y5680 / R5680C25: got 'mg/L'
## Warning: Expecting logical in R5683 / R5683C18: got 'as N'
## Warning: Expecting logical in W5683 / R5683C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5683 / R5683C24: got '0.20'
## Warning: Expecting logical in Y5683 / R5683C25: got 'mg/L'
## Warning: Expecting logical in M5685 / R5685C13: got '7723-14-0'
## Warning: Expecting logical in R5685 / R5685C18: got 'as P'
## Warning: Expecting logical in R5686 / R5686C18: got 'as N'
## Warning: Expecting logical in W5686 / R5686C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5686 / R5686C24: got '0.20'
## Warning: Expecting logical in Y5686 / R5686C25: got 'mg/L'
## Warning: Expecting logical in R5687 / R5687C18: got 'as N'
## Warning: Expecting logical in W5687 / R5687C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5687 / R5687C24: got '0.03'
## Warning: Expecting logical in Y5687 / R5687C25: got 'mg/L'
## Warning: Expecting logical in W5689 / R5689C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5689 / R5689C24: got '2.0'
## Warning: Expecting logical in Y5689 / R5689C25: got 'mg/L'
```

```
## Warning: Expecting logical in R5691 / R5691C18: got 'as CaCO3'
## Warning: Expecting logical in R5695 / R5695C18: got 'as CaCO3'
## Warning: Expecting logical in R5696 / R5696C18: got 'as N'
## Warning: Expecting logical in W5698 / R5698C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5698 / R5698C24: got '2.0'
## Warning: Expecting logical in Y5698 / R5698C25: got 'mg/L'
## Warning: Expecting logical in R5700 / R5700C18: got 'as N'
## Warning: Expecting logical in R5701 / R5701C18: got 'as CaCO3'
## Warning: Expecting logical in W5702 / R5702C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5702 / R5702C24: got '2.5'
## Warning: Expecting logical in Y5702 / R5702C25: got 'mg/L'
## Warning: Expecting logical in M5704 / R5704C13: got '7723-14-0'
## Warning: Expecting logical in R5704 / R5704C18: got 'as P'
## Warning: Expecting logical in R5705 / R5705C18: got 'as CaCO3'
## Warning: Expecting logical in R5706 / R5706C18: got 'as N'
## Warning: Expecting logical in M5707 / R5707C13: got '68583-22-2'
## Warning: Expecting logical in R5709 / R5709C18: got 'as N'
## Warning: Expecting logical in M5710 / R5710C13: got '479-61-8'
## Warning: Expecting logical in W5712 / R5712C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5712 / R5712C24: got '2.0'
## Warning: Expecting logical in Y5712 / R5712C25: got 'mg/L'
## Warning: Expecting logical in R5713 / R5713C18: got 'as CaCO3'
## Warning: Expecting logical in R5714 / R5714C18: got 'as CaCO3'
## Warning: Expecting logical in R5716 / R5716C18: got 'as N'
```

```
## Warning: Expecting logical in W5716 / R5716C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5716 / R5716C24: got '0.03'
## Warning: Expecting logical in Y5716 / R5716C25: got 'mg/L'
## Warning: Expecting logical in R5721 / R5721C18: got 'as N'
## Warning: Expecting logical in M5722 / R5722C13: got '68583-22-2'
## Warning: Expecting logical in M5723 / R5723C13: got '479-61-8'
## Warning: Expecting logical in R5724 / R5724C18: got 'as N'
## Warning: Expecting logical in M5725 / R5725C13: got '7723-14-0'
## Warning: Expecting logical in R5725 / R5725C18: got 'as P'
## Warning: Expecting logical in R5727 / R5727C18: got 'as CaCO3'
## Warning: Expecting logical in M5729 / R5729C13: got '479-61-8'
## Warning: Expecting logical in R5731 / R5731C18: got 'as CaCO3'
## Warning: Expecting logical in M5733 / R5733C13: got '7723-14-0'
## Warning: Expecting logical in R5733 / R5733C18: got 'as P'
## Warning: Expecting logical in M5735 / R5735C13: got '68583-22-2'
## Warning: Expecting logical in R5736 / R5736C18: got 'as N'
## Warning: Expecting logical in W5738 / R5738C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5738 / R5738C24: got '2.0'
## Warning: Expecting logical in Y5738 / R5738C25: got 'mg/L'
## Warning: Expecting logical in R5739 / R5739C18: got 'as N'
## Warning: Expecting logical in W5739 / R5739C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5739 / R5739C24: got '0.03'
## Warning: Expecting logical in Y5739 / R5739C25: got 'mg/L'
## Warning: Expecting logical in R5740 / R5740C18: got 'as N'
```

```
## Warning: Expecting logical in R5747 / R5747C18: got 'as N'
## Warning: Expecting logical in W5747 / R5747C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5747 / R5747C24: got '0.03'
## Warning: Expecting logical in Y5747 / R5747C25: got 'mg/L'
## Warning: Expecting logical in M5748 / R5748C13: got '68583-22-2'
## Warning: Expecting logical in W5748 / R5748C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5748 / R5748C24: got '20'
## Warning: Expecting logical in Y5748 / R5748C25: got 'MPN/100mL'
## Warning: Expecting logical in W5749 / R5749C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5749 / R5749C24: got '2.0'
## Warning: Expecting logical in Y5749 / R5749C25: got 'mg/L'
## Warning: Expecting logical in R5750 / R5750C18: got 'as CaCO3'
## Warning: Expecting logical in W5750 / R5750C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5750 / R5750C24: got '1.0'
## Warning: Expecting logical in Y5750 / R5750C25: got 'mg/L'
## Warning: Expecting logical in R5751 / R5751C18: got 'as CaCO3'
## Warning: Expecting logical in M5752 / R5752C13: got '479-61-8'
## Warning: Expecting logical in R5753 / R5753C18: got 'as N'
## Warning: Expecting logical in W5753 / R5753C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5753 / R5753C24: got '0.02'
## Warning: Expecting logical in Y5753 / R5753C25: got 'mg/L'
## Warning: Expecting logical in M5754 / R5754C13: got '7723-14-0'
## Warning: Expecting logical in R5754 / R5754C18: got 'as P'
## Warning: Expecting logical in R5755 / R5755C18: got 'as N'
```

```
## Warning: Expecting logical in W5756 / R5756C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X5756 / R5756C24: got '2.5'
## Warning: Expecting logical in Y5756 / R5756C25: got 'mg/L'
## Warning: Expecting logical in M5757 / R5757C13: got '68583-22-2'
## Warning: Expecting logical in M5758 / R5758C13: got '68583-22-2'
## Warning: Expecting logical in M5759 / R5759C13: got '68583-22-2'
## Warning: Expecting logical in M5760 / R5760C13: got '68583-22-2'
## Warning: Expecting logical in M5761 / R5761C13: got '68583-22-2'
## Warning: Expecting logical in M5762 / R5762C13: got '68583-22-2'
## Warning: Expecting logical in M5763 / R5763C13: got '68583-22-2'
## Warning: Expecting logical in M5764 / R5764C13: got '68583-22-2'
## Warning: Expecting logical in M5765 / R5765C13: got '68583-22-2'
## Warning: Expecting logical in M5766 / R5766C13: got '68583-22-2'
## Warning: Expecting logical in M5767 / R5767C13: got '68583-22-2'
## Warning: Expecting logical in M5768 / R5768C13: got '68583-22-2'
## Warning: Expecting logical in M5769 / R5769C13: got '68583-22-2'
## Warning: Expecting logical in M5770 / R5770C13: got '68583-22-2'
## Warning: Expecting logical in M5771 / R5771C13: got '68583-22-2'
## Warning: Expecting logical in M5772 / R5772C13: got '68583-22-2'
## Warning: Expecting logical in M5773 / R5773C13: got '68583-22-2'
## Warning: Expecting logical in M5774 / R5774C13: got '68583-22-2'
## Warning: Expecting logical in M5775 / R5775C13: got '68583-22-2'
## Warning: Expecting logical in M5776 / R5776C13: got '68583-22-2'
## Warning: Expecting logical in M5777 / R5777C13: got '68583-22-2'
```

```
## Warning: Expecting logical in M5778 / R5778C13: got '68583-22-2'
## Warning: Expecting logical in M7862 / R7862C13: got '7782-50-5'
## Warning: Expecting logical in M7864 / R7864C13: got '7782-50-5'
## Warning: Expecting logical in M7866 / R7866C13: got '68583-22-2'
## Warning: Expecting logical in M7867 / R7867C13: got '68583-22-2'
## Warning: Expecting logical in M7868 / R7868C13: got '68583-22-2'
## Warning: Expecting logical in M7869 / R7869C13: got '68583-22-2'
## Warning: Expecting logical in M7870 / R7870C13: got '68583-22-2'
## Warning: Expecting logical in M7871 / R7871C13: got '68583-22-2'
## Warning: Expecting logical in M7872 / R7872C13: got '68583-22-2'
## Warning: Expecting logical in M7873 / R7873C13: got '68583-22-2'
## Warning: Expecting logical in M7874 / R7874C13: got '68583-22-2'
## Warning: Expecting logical in M7875 / R7875C13: got '68583-22-2'
## Warning: Expecting logical in W7881 / R7881C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7881 / R7881C24: got '2.5'
## Warning: Expecting logical in Y7881 / R7881C25: got 'mg/L'
## Warning: Expecting logical in W7884 / R7884C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7884 / R7884C24: got '2.0'
## Warning: Expecting logical in Y7884 / R7884C25: got 'mg/L'
## Warning: Expecting logical in R7885 / R7885C18: got 'as N'
## Warning: Expecting logical in R7886 / R7886C18: got 'as CaCO3'
## Warning: Expecting logical in R7888 / R7888C18: got 'as CaCO3'
## Warning: Expecting logical in R7890 / R7890C18: got 'as N'
## Warning: Expecting logical in R7891 / R7891C18: got 'as N'
```

```
## Warning: Expecting logical in W7891 / R7891C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7891 / R7891C24: got '0.03'
## Warning: Expecting logical in Y7891 / R7891C25: got 'mg/L'
## Warning: Expecting logical in M7892 / R7892C13: got '7723-14-0'
## Warning: Expecting logical in R7892 / R7892C18: got 'as P'
## Warning: Expecting logical in W7892 / R7892C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7892 / R7892C24: got '0.02'
## Warning: Expecting logical in Y7892 / R7892C25: got 'mg/L'
## Warning: Expecting logical in M7893 / R7893C13: got '68583-22-2'
## Warning: Expecting logical in M7900 / R7900C13: got '68583-22-2'
## Warning: Expecting logical in R7901 / R7901C18: got 'as N'
## Warning: Expecting logical in M7903 / R7903C13: got '7723-14-0'
## Warning: Expecting logical in R7903 / R7903C18: got 'as P'
## Warning: Expecting logical in R7905 / R7905C18: got 'as CaCO3'
## Warning: Expecting logical in W7907 / R7907C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7907 / R7907C24: got '2.0'
## Warning: Expecting logical in Y7907 / R7907C25: got 'mg/L'
## Warning: Expecting logical in R7908 / R7908C18: got 'as CaCO3'
## Warning: Expecting logical in R7909 / R7909C18: got 'as N'
## Warning: Expecting logical in R7911 / R7911C18: got 'as N'
## Warning: Expecting logical in W7911 / R7911C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7911 / R7911C24: got '0.03'
## Warning: Expecting logical in Y7911 / R7911C25: got 'mg/L'
## Warning: Expecting logical in M7917 / R7917C13: got '68583-22-2'
```

```
## Warning: Expecting logical in R7918 / R7918C18: got 'as CaCO3'
## Warning: Expecting logical in W7919 / R7919C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7919 / R7919C24: got '2.0'
## Warning: Expecting logical in Y7919 / R7919C25: got 'mg/L'
## Warning: Expecting logical in M7921 / R7921C13: got '7723-14-0'
## Warning: Expecting logical in R7921 / R7921C18: got 'as P'
## Warning: Expecting logical in R7922 / R7922C18: got 'as N'
## Warning: Expecting logical in R7925 / R7925C18: got 'as CaCO3'
## Warning: Expecting logical in R7928 / R7928C18: got 'as N'
## Warning: Expecting logical in R7929 / R7929C18: got 'as N'
## Warning: Expecting logical in M7936 / R7936C13: got '7723-14-0'
## Warning: Expecting logical in R7936 / R7936C18: got 'as P'
## Warning: Expecting logical in R7938 / R7938C18: got 'as N'
## Warning: Expecting logical in M7939 / R7939C13: got '68583-22-2'
## Warning: Expecting logical in R7940 / R7940C18: got 'as N'
## Warning: Expecting logical in R7941 / R7941C18: got 'as CaCO3'
## Warning: Expecting logical in R7942 / R7942C18: got 'as N'
## Warning: Expecting logical in W7944 / R7944C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7944 / R7944C24: got '2.0'
## Warning: Expecting logical in Y7944 / R7944C25: got 'mg/L'
## Warning: Expecting logical in R7946 / R7946C18: got 'as CaCO3'
## Warning: Expecting logical in W7953 / R7953C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7953 / R7953C24: got '2.0'
## Warning: Expecting logical in Y7953 / R7953C25: got 'mg/L'
```

```
## Warning: Expecting logical in R7954 / R7954C18: got 'as N'
## Warning: Expecting logical in R7955 / R7955C18: got 'as N'
## Warning: Expecting logical in R7956 / R7956C18: got 'as N'
## Warning: Expecting logical in R7960 / R7960C18: got 'as CaCO3'
## Warning: Expecting logical in M7962 / R7962C13: got '68583-22-2'
## Warning: Expecting logical in M7963 / R7963C13: got '7723-14-0'
## Warning: Expecting logical in R7963 / R7963C18: got 'as P'
## Warning: Expecting logical in R7964 / R7964C18: got 'as CaCO3'
## Warning: Expecting logical in M7966 / R7966C13: got '79-20-9'
## Warning: Expecting logical in W7966 / R7966C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7966 / R7966C24: got '10'
## Warning: Expecting logical in Y7966 / R7966C25: got 'ug/L'
## Warning: Expecting logical in M7967 / R7967C13: got '75-35-4'
## Warning: Expecting logical in W7967 / R7967C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7967 / R7967C24: got '5.0'
## Warning: Expecting logical in Y7967 / R7967C25: got 'ug/L'
## Warning: Expecting logical in M7968 / R7968C13: got '106-93-4'
## Warning: Expecting logical in W7968 / R7968C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7968 / R7968C24: got '5.0'
## Warning: Expecting logical in Y7968 / R7968C25: got 'ug/L'
## Warning: Expecting logical in M7969 / R7969C13: got '7440-47-3'
## Warning: Expecting logical in M7970 / R7970C13: got '7440-62-2'
## Warning: Expecting logical in W7970 / R7970C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7970 / R7970C24: got '10'
```

```
## Warning: Expecting logical in Y7970 / R7970C25: got 'ug/L'
## Warning: Expecting logical in M7971 / R7971C13: got '124-48-1'
## Warning: Expecting logical in W7971 / R7971C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7971 / R7971C24: got '5.0'
## Warning: Expecting logical in Y7971 / R7971C25: got 'ug/L'
## Warning: Expecting logical in M7972 / R7972C13: got '98-82-8'
## Warning: Expecting logical in W7972 / R7972C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7972 / R7972C24: got '5.0'
## Warning: Expecting logical in Y7972 / R7972C25: got 'ug/L'
## Warning: Expecting logical in M7973 / R7973C13: got '7440-66-6'
## Warning: Expecting logical in M7974 / R7974C13: got '7440-23-5'
## Warning: Expecting logical in M7975 / R7975C13: got '96-12-8'
## Warning: Expecting logical in W7975 / R7975C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7975 / R7975C24: got '5.0'
## Warning: Expecting logical in Y7975 / R7975C25: got 'ug/L'
## Warning: Expecting logical in M7976 / R7976C13: got '98-06-6'
## Warning: Expecting logical in W7976 / R7976C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7976 / R7976C24: got '5.0'
## Warning: Expecting logical in Y7976 / R7976C25: got 'ug/L'
## Warning: Expecting logical in M7977 / R7977C13: got '75-34-3'
## Warning: Expecting logical in W7977 / R7977C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7977 / R7977C24: got '5.0'
## Warning: Expecting logical in Y7977 / R7977C25: got 'ug/L'
## Warning: Expecting logical in M7978 / R7978C13: got '71-55-6'
```

```
## Warning: Expecting logical in W7978 / R7978C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7978 / R7978C24: got '5.0'
## Warning: Expecting logical in Y7978 / R7978C25: got 'ug/L'
## Warning: Expecting logical in M7979 / R7979C13: got '74-95-3'
## Warning: Expecting logical in W7979 / R7979C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7979 / R7979C24: got '5.0'
## Warning: Expecting logical in Y7979 / R7979C25: got 'ug/L'
## Warning: Expecting logical in M7981 / R7981C13: got '110-57-6'
## Warning: Expecting logical in W7981 / R7981C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7981 / R7981C24: got '100'
## Warning: Expecting logical in Y7981 / R7981C25: got 'ug/L'
## Warning: Expecting logical in M7982 / R7982C13: got '120-82-1'
## Warning: Expecting logical in W7982 / R7982C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7982 / R7982C24: got '5.0'
## Warning: Expecting logical in Y7982 / R7982C25: got 'ug/L'
## Warning: Expecting logical in M7983 / R7983C13: got '25155-15-1'
## Warning: Expecting logical in W7983 / R7983C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7983 / R7983C24: got '5.0'
## Warning: Expecting logical in Y7983 / R7983C25: got 'ug/L'
## Warning: Expecting logical in M7984 / R7984C13: got '142-28-9'
## Warning: Expecting logical in W7984 / R7984C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7984 / R7984C24: got '5.0'
## Warning: Expecting logical in Y7984 / R7984C25: got 'ug/L'
## Warning: Expecting logical in M7985 / R7985C13: got '630-20-6'
```

```
## Warning: Expecting logical in W7985 / R7985C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7985 / R7985C24: got '5.0'
## Warning: Expecting logical in Y7985 / R7985C25: got 'ug/L'
## Warning: Expecting logical in M7986 / R7986C13: got '100-42-5'
## Warning: Expecting logical in W7986 / R7986C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7986 / R7986C24: got '5.0'
## Warning: Expecting logical in Y7986 / R7986C25: got 'ug/L'
## Warning: Expecting logical in M7987 / R7987C13: got '75-25-2'
## Warning: Expecting logical in W7987 / R7987C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7987 / R7987C24: got '5.0'
## Warning: Expecting logical in Y7987 / R7987C25: got 'ug/L'
## Warning: Expecting logical in M7988 / R7988C13: got '95-49-8'
## Warning: Expecting logical in W7988 / R7988C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7988 / R7988C24: got '5.0'
## Warning: Expecting logical in Y7988 / R7988C25: got 'ug/L'
## Warning: Expecting logical in M7989 / R7989C13: got '95-49-8'
## Warning: Expecting logical in W7989 / R7989C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7989 / R7989C24: got '5.0'
## Warning: Expecting logical in Y7989 / R7989C25: got 'ug/L'
## Warning: Expecting logical in M7990 / R7990C13: got '96-18-4'
## Warning: Expecting logical in W7990 / R7990C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7990 / R7990C24: got '5.0'
## Warning: Expecting logical in Y7990 / R7990C25: got 'ug/L'
## Warning: Expecting logical in M7991 / R7991C13: got '100-41-4'
```

```
## Warning: Expecting logical in W7991 / R7991C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7991 / R7991C24: got '5.0'
## Warning: Expecting logical in Y7991 / R7991C25: got 'ug/L'
## Warning: Expecting logical in M7992 / R7992C13: got '10061-02-6'
## Warning: Expecting logical in W7992 / R7992C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7992 / R7992C24: got '5.0'
## Warning: Expecting logical in Y7992 / R7992C25: got 'ug/L'
## Warning: Expecting logical in M7993 / R7993C13: got '78-87-5'
## Warning: Expecting logical in W7993 / R7993C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7993 / R7993C24: got '5.0'
## Warning: Expecting logical in Y7993 / R7993C25: got 'ug/L'
## Warning: Expecting logical in M7994 / R7994C13: got '541-73-1'
## Warning: Expecting logical in W7994 / R7994C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7994 / R7994C24: got '5.0'
## Warning: Expecting logical in Y7994 / R7994C25: got 'ug/L'
## Warning: Expecting logical in M7995 / R7995C13: got '95-50-1'
## Warning: Expecting logical in W7995 / R7995C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7995 / R7995C24: got '5.0'
## Warning: Expecting logical in Y7995 / R7995C25: got 'ug/L'
## Warning: Expecting logical in M7996 / R7996C13: got '107-13-1'
## Warning: Expecting logical in W7996 / R7996C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7996 / R7996C24: got '200'
## Warning: Expecting logical in Y7996 / R7996C25: got 'ug/L'
## Warning: Expecting logical in M7997 / R7997C13: got '108-05-4'
```

```
## Warning: Expecting logical in W7997 / R7997C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7997 / R7997C24: got '50'
## Warning: Expecting logical in Y7997 / R7997C25: got 'ug/L'
## Warning: Expecting logical in M7998 / R7998C13: got '7440-02-0'
## Warning: Expecting logical in W7998 / R7998C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7998 / R7998C24: got '10'
## Warning: Expecting logical in Y7998 / R7998C25: got 'ug/L'
## Warning: Expecting logical in M7999 / R7999C13: got '95-63-6'
## Warning: Expecting logical in W7999 / R7999C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X7999 / R7999C24: got '5.0'
## Warning: Expecting logical in Y7999 / R7999C25: got 'ug/L'
## Warning: Expecting logical in M8000 / R8000C13: got '95-47-6'
## Warning: Expecting logical in W8000 / R8000C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8000 / R8000C24: got '5.0'
## Warning: Expecting logical in Y8000 / R8000C25: got 'ug/L'
## Warning: Expecting logical in M8001 / R8001C13: got '106-93-4'
## Warning: Expecting logical in W8001 / R8001C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8001 / R8001C24: got '5.0'
## Warning: Expecting logical in Y8001 / R8001C25: got 'ug/L'
## Warning: Expecting logical in M8002 / R8002C13: got '591-78-6'
## Warning: Expecting logical in W8002 / R8002C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8002 / R8002C24: got '50'
## Warning: Expecting logical in Y8002 / R8002C25: got 'ug/L'
## Warning: Expecting logical in M8003 / R8003C13: got '108-88-3'
```

```
## Warning: Expecting logical in W8003 / R8003C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8003 / R8003C24: got '5.0'
## Warning: Expecting logical in Y8003 / R8003C25: got 'ug/L'
## Warning: Expecting logical in M8004 / R8004C13: got '75-27-4'
## Warning: Expecting logical in W8004 / R8004C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8004 / R8004C24: got '5.0'
## Warning: Expecting logical in Y8004 / R8004C25: got 'ug/L'
## Warning: Expecting logical in M8005 / R8005C13: got '107-06-2'
## Warning: Expecting logical in W8005 / R8005C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8005 / R8005C24: got '5.0'
## Warning: Expecting logical in Y8005 / R8005C25: got 'ug/L'
## Warning: Expecting logical in M8006 / R8006C13: got '56-23-5'
## Warning: Expecting logical in W8006 / R8006C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8006 / R8006C24: got '5.0'
## Warning: Expecting logical in Y8006 / R8006C25: got 'ug/L'
## Warning: Expecting logical in M8007 / R8007C13: got '594-20-7'
## Warning: Expecting logical in W8007 / R8007C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8007 / R8007C24: got '5.0'
## Warning: Expecting logical in Y8007 / R8007C25: got 'ug/L'
## Warning: Expecting logical in M8008 / R8008C13: got '75-34-3'
## Warning: Expecting logical in W8008 / R8008C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8008 / R8008C24: got '5.0'
## Warning: Expecting logical in Y8008 / R8008C25: got 'ug/L'
## Warning: Expecting logical in M8009 / R8009C13: got '75-15-0'
```

```
## Warning: Expecting logical in W8009 / R8009C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8009 / R8009C24: got '5.0'
## Warning: Expecting logical in Y8009 / R8009C25: got 'ug/L'
## Warning: Expecting logical in M8010 / R8010C13: got '7439-96-5'
## Warning: Expecting logical in M8011 / R8011C13: got '7440-48-4'
## Warning: Expecting logical in W8011 / R8011C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8011 / R8011C24: got '10'
## Warning: Expecting logical in Y8011 / R8011C25: got 'ug/L'
## Warning: Expecting logical in M8013 / R8013C13: got '87-68-3'
## Warning: Expecting logical in W8013 / R8013C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8013 / R8013C24: got '5.0'
## Warning: Expecting logical in Y8013 / R8013C25: got 'ug/L'
## Warning: Expecting logical in M8014 / R8014C13: got '104-51-8'
## Warning: Expecting logical in W8014 / R8014C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8014 / R8014C24: got '5.0'
## Warning: Expecting logical in Y8014 / R8014C25: got 'ug/L'
## Warning: Expecting logical in M8015 / R8015C13: got '75-25-2'
## Warning: Expecting logical in W8015 / R8015C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8015 / R8015C24: got '5.0'
## Warning: Expecting logical in Y8015 / R8015C25: got 'ug/L'
## Warning: Expecting logical in M8016 / R8016C13: got '108-87-2'
## Warning: Expecting logical in W8016 / R8016C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8016 / R8016C24: got '10'
## Warning: Expecting logical in Y8016 / R8016C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8017 / R8017C13: got '71-55-6'
## Warning: Expecting logical in W8017 / R8017C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8017 / R8017C24: got '5.0'
## Warning: Expecting logical in Y8017 / R8017C25: got 'ug/L'
## Warning: Expecting logical in M8018 / R8018C13: got '107-13-1'
## Warning: Expecting logical in W8018 / R8018C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8018 / R8018C24: got '200'
## Warning: Expecting logical in Y8018 / R8018C25: got 'ug/L'
## Warning: Expecting logical in M8019 / R8019C13: got '7440-50-8'
## Warning: Expecting logical in M8020 / R8020C13: got '98-06-6'
## Warning: Expecting logical in W8020 / R8020C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8020 / R8020C24: got '5.0'
## Warning: Expecting logical in Y8020 / R8020C25: got 'ug/L'
## Warning: Expecting logical in M8021 / R8021C13: got '541-73-1'
## Warning: Expecting logical in W8021 / R8021C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8021 / R8021C24: got '5.0'
## Warning: Expecting logical in Y8021 / R8021C25: got 'ug/L'
## Warning: Expecting logical in M8022 / R8022C13: got '96-12-8'
## Warning: Expecting logical in W8022 / R8022C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8022 / R8022C24: got '5.0'
## Warning: Expecting logical in Y8022 / R8022C25: got 'ug/L'
## Warning: Expecting logical in M8024 / R8024C13: got '7429-90-5'
## Warning: Expecting logical in M8025 / R8025C13: got '7440-38-2'
## Warning: Expecting logical in W8025 / R8025C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8025 / R8025C24: got '5'
## Warning: Expecting logical in Y8025 / R8025C25: got 'ug/L'
## Warning: Expecting logical in M8026 / R8026C13: got '7440-28-0'
## Warning: Expecting logical in W8026 / R8026C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8026 / R8026C24: got '1'
## Warning: Expecting logical in Y8026 / R8026C25: got 'ug/L'
## Warning: Expecting logical in M8027 / R8027C13: got '7440-61-1'
## Warning: Expecting logical in W8027 / R8027C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8027 / R8027C24: got '1'
## Warning: Expecting logical in Y8027 / R8027C25: got 'ug/L'
## Warning: Expecting logical in M8028 / R8028C13: got '7440-09-7'
## Warning: Expecting logical in M8029 / R8029C13: got '7440-43-9'
## Warning: Expecting logical in M8030 / R8030C13: got '91-20-3'
## Warning: Expecting logical in W8030 / R8030C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8030 / R8030C24: got '5.0'
## Warning: Expecting logical in Y8030 / R8030C25: got 'ug/L'
## Warning: Expecting logical in M8031 / R8031C13: got '87-68-3'
## Warning: Expecting logical in W8031 / R8031C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8031 / R8031C24: got '5.0'
## Warning: Expecting logical in Y8031 / R8031C25: got 'ug/L'
## Warning: Expecting logical in M8032 / R8032C13: got '95-50-1'
## Warning: Expecting logical in W8032 / R8032C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8032 / R8032C24: got '5.0'
## Warning: Expecting logical in Y8032 / R8032C25: got 'ug/L'
```

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## Warning: Expecting logical in M8033 / R8033C13: got '135-98-8'
## Warning: Expecting logical in W8033 / R8033C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8033 / R8033C24: got '5.0'
## Warning: Expecting logical in Y8033 / R8033C25: got 'ug/L'
## Warning: Expecting logical in M8034 / R8034C13: got '79-34-5'
## Warning: Expecting logical in W8034 / R8034C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8034 / R8034C24: got '5.0'
## Warning: Expecting logical in Y8034 / R8034C25: got 'ug/L'
## Warning: Expecting logical in M8035 / R8035C13: got '108-90-7'
## Warning: Expecting logical in W8035 / R8035C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8035 / R8035C24: got '5.0'
## Warning: Expecting logical in Y8035 / R8035C25: got 'ug/L'
## Warning: Expecting logical in M8036 / R8036C13: got '10061-02-6'
## Warning: Expecting logical in W8036 / R8036C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8036 / R8036C24: got '5.0'
## Warning: Expecting logical in Y8036 / R8036C25: got 'ug/L'
## Warning: Expecting logical in M8037 / R8037C13: got '74-95-3'
## Warning: Expecting logical in W8037 / R8037C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8037 / R8037C24: got '5.0'
## Warning: Expecting logical in Y8037 / R8037C25: got 'ug/L'
## Warning: Expecting logical in M8038 / R8038C13: got '156-59-2'
## Warning: Expecting logical in W8038 / R8038C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8038 / R8038C24: got '5.0'
## Warning: Expecting logical in Y8038 / R8038C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8039 / R8039C13: got '75-15-0'
## Warning: Expecting logical in W8039 / R8039C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8039 / R8039C24: got '5.0'
## Warning: Expecting logical in Y8039 / R8039C25: got 'ug/L'
## Warning: Expecting logical in M8040 / R8040C13: got '74-87-3'
## Warning: Expecting logical in W8040 / R8040C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8040 / R8040C24: got '10'
## Warning: Expecting logical in Y8040 / R8040C25: got 'ug/L'
## Warning: Expecting logical in M8041 / R8041C13: got '108-10-1'
## Warning: Expecting logical in W8041 / R8041C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8041 / R8041C24: got '50'
## Warning: Expecting logical in Y8041 / R8041C25: got 'ug/L'
## Warning: Expecting logical in M8042 / R8042C13: got '98-82-8'
## Warning: Expecting logical in W8042 / R8042C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8042 / R8042C24: got '5.0'
## Warning: Expecting logical in Y8042 / R8042C25: got 'ug/L'
## Warning: Expecting logical in M8043 / R8043C13: got '108-86-1'
## Warning: Expecting logical in W8043 / R8043C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8043 / R8043C24: got '5.0'
## Warning: Expecting logical in Y8043 / R8043C25: got 'ug/L'
## Warning: Expecting logical in M8044 / R8044C13: got '106-43-4'
## Warning: Expecting logical in W8044 / R8044C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8044 / R8044C24: got '5.0'
## Warning: Expecting logical in Y8044 / R8044C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8045 / R8045C13: got '104-51-8'
## Warning: Expecting logical in W8045 / R8045C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8045 / R8045C24: got '5.0'
## Warning: Expecting logical in Y8045 / R8045C25: got 'ug/L'
## Warning: Expecting logical in M8046 / R8046C13: got '7429-90-5'
## Warning: Expecting logical in M8047 / R8047C13: got '7440-41-7'
## Warning: Expecting logical in W8047 / R8047C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8047 / R8047C24: got '10'
## Warning: Expecting logical in Y8047 / R8047C25: got 'ug/L'
## Warning: Expecting logical in M8048 / R8048C13: got '75-69-4'
## Warning: Expecting logical in W8048 / R8048C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8048 / R8048C24: got '5.0'
## Warning: Expecting logical in Y8048 / R8048C25: got 'ug/L'
## Warning: Expecting logical in M8049 / R8049C13: got '67-66-3'
## Warning: Expecting logical in W8049 / R8049C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8049 / R8049C24: got '5.0'
## Warning: Expecting logical in Y8049 / R8049C25: got 'ug/L'
## Warning: Expecting logical in M8050 / R8050C13: got '79-01-6'
## Warning: Expecting logical in W8050 / R8050C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8050 / R8050C24: got '5.0'
## Warning: Expecting logical in Y8050 / R8050C25: got 'ug/L'
## Warning: Expecting logical in M8051 / R8051C13: got '127-18-4'
## Warning: Expecting logical in W8051 / R8051C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8051 / R8051C24: got '5.0'
```

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## Warning: Expecting logical in Y8051 / R8051C25: got 'ug/L'
## Warning: Expecting logical in M8052 / R8052C13: got '124-48-1'
## Warning: Expecting logical in W8052 / R8052C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8052 / R8052C24: got '5.0'
## Warning: Expecting logical in Y8052 / R8052C25: got 'ug/L'
## Warning: Expecting logical in M8053 / R8053C13: got '179601-23-1'
## Warning: Expecting logical in W8053 / R8053C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8053 / R8053C24: got '10'
## Warning: Expecting logical in Y8053 / R8053C25: got 'ug/L'
## Warning: Expecting logical in M8054 / R8054C13: got '110-57-6'
## Warning: Expecting logical in W8054 / R8054C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8054 / R8054C24: got '100'
## Warning: Expecting logical in Y8054 / R8054C25: got 'ug/L'
## Warning: Expecting logical in M8055 / R8055C13: got '108-67-8'
## Warning: Expecting logical in W8055 / R8055C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8055 / R8055C24: got '5.0'
## Warning: Expecting logical in Y8055 / R8055C25: got 'ug/L'
## Warning: Expecting logical in M8056 / R8056C13: got '87-61-6'
## Warning: Expecting logical in W8056 / R8056C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8056 / R8056C24: got '5.0'
## Warning: Expecting logical in Y8056 / R8056C25: got 'ug/L'
## Warning: Expecting logical in M8057 / R8057C13: got '57-12-5'
## Warning: Expecting logical in W8057 / R8057C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8057 / R8057C24: got '0.02'
```

```
## Warning: Expecting logical in Y8057 / R8057C25: got 'mg/L'
## Warning: Expecting logical in M8058 / R8058C13: got '7440-36-0'
## Warning: Expecting logical in W8058 / R8058C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8058 / R8058C24: got '5'
## Warning: Expecting logical in Y8058 / R8058C25: got 'ug/L'
## Warning: Expecting logical in M8059 / R8059C13: got '7439-92-1'
## Warning: Expecting logical in M8060 / R8060C13: got '75-71-8'
## Warning: Expecting logical in W8060 / R8060C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8060 / R8060C24: got '5.0'
## Warning: Expecting logical in Y8060 / R8060C25: got 'ug/L'
## Warning: Expecting logical in M8061 / R8061C13: got '74-88-4'
## Warning: Expecting logical in W8061 / R8061C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8061 / R8061C24: got '5.0'
## Warning: Expecting logical in Y8061 / R8061C25: got 'ug/L'
## Warning: Expecting logical in M8062 / R8062C13: got '156-60-5'
## Warning: Expecting logical in W8062 / R8062C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8062 / R8062C24: got '5.0'
## Warning: Expecting logical in Y8062 / R8062C25: got 'ug/L'
## Warning: Expecting logical in M8063 / R8063C13: got '563-58-6'
## Warning: Expecting logical in W8063 / R8063C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8063 / R8063C24: got '5.0'
## Warning: Expecting logical in Y8063 / R8063C25: got 'ug/L'
## Warning: Expecting logical in M8064 / R8064C13: got '75-00-3'
## Warning: Expecting logical in W8064 / R8064C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8064 / R8064C24: got '10'
## Warning: Expecting logical in Y8064 / R8064C25: got 'ug/L'
## Warning: Expecting logical in M8065 / R8065C13: got '26523-64-8'
## Warning: Expecting logical in W8065 / R8065C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8065 / R8065C24: got '10'
## Warning: Expecting logical in Y8065 / R8065C25: got 'ug/L'
## Warning: Expecting logical in M8066 / R8066C13: got '108-05-4'
## Warning: Expecting logical in W8066 / R8066C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8066 / R8066C24: got '50'
## Warning: Expecting logical in Y8066 / R8066C25: got 'ug/L'
## Warning: Expecting logical in M8067 / R8067C13: got '74-97-5'
## Warning: Expecting logical in W8067 / R8067C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8067 / R8067C24: got '5.0'
## Warning: Expecting logical in Y8067 / R8067C25: got 'ug/L'
## Warning: Expecting logical in M8068 / R8068C13: got '563-58-6'
## Warning: Expecting logical in W8068 / R8068C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8068 / R8068C24: got '5.0'
## Warning: Expecting logical in Y8068 / R8068C25: got 'ug/L'
## Warning: Expecting logical in M8069 / R8069C13: got '10061-01-5'
## Warning: Expecting logical in W8069 / R8069C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8069 / R8069C24: got '5.0'
## Warning: Expecting logical in Y8069 / R8069C25: got 'ug/L'
## Warning: Expecting logical in M8070 / R8070C13: got '79-00-5'
## Warning: Expecting logical in W8070 / R8070C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8070 / R8070C24: got '5.0'
## Warning: Expecting logical in Y8070 / R8070C25: got 'ug/L'
## Warning: Expecting logical in M8071 / R8071C13: got '87-61-6'
## Warning: Expecting logical in W8071 / R8071C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8071 / R8071C24: got '5.0'
## Warning: Expecting logical in Y8071 / R8071C25: got 'ug/L'
## Warning: Expecting logical in M8072 / R8072C13: got '103-65-1'
## Warning: Expecting logical in W8072 / R8072C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8072 / R8072C24: got '5.0'
## Warning: Expecting logical in Y8072 / R8072C25: got 'ug/L'
## Warning: Expecting logical in M8073 / R8073C13: got '71-43-2'
## Warning: Expecting logical in W8073 / R8073C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8073 / R8073C24: got '5.0'
## Warning: Expecting logical in Y8073 / R8073C25: got 'ug/L'
## Warning: Expecting logical in M8074 / R8074C13: got '67-66-3'
## Warning: Expecting logical in W8074 / R8074C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8074 / R8074C24: got '5.0'
## Warning: Expecting logical in Y8074 / R8074C25: got 'ug/L'
## Warning: Expecting logical in M8075 / R8075C13: got '78-93-3'
## Warning: Expecting logical in W8075 / R8075C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8075 / R8075C24: got '100'
## Warning: Expecting logical in Y8075 / R8075C25: got 'ug/L'
## Warning: Expecting logical in M8076 / R8076C13: got '1634-04-4'
## Warning: Expecting logical in W8076 / R8076C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8076 / R8076C24: got '5.0'
## Warning: Expecting logical in Y8076 / R8076C25: got 'ug/L'
## Warning: Expecting logical in M8077 / R8077C13: got '75-01-4'
## Warning: Expecting logical in W8077 / R8077C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8077 / R8077C24: got '2.0'
## Warning: Expecting logical in Y8077 / R8077C25: got 'ug/L'
## Warning: Expecting logical in M8078 / R8078C13: got '74-88-4'
## Warning: Expecting logical in W8078 / R8078C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8078 / R8078C24: got '5.0'
## Warning: Expecting logical in Y8078 / R8078C25: got 'ug/L'
## Warning: Expecting logical in M8079 / R8079C13: got '79-01-6'
## Warning: Expecting logical in W8079 / R8079C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8079 / R8079C24: got '5.0'
## Warning: Expecting logical in Y8079 / R8079C25: got 'ug/L'
## Warning: Expecting logical in M8080 / R8080C13: got '630-20-6'
## Warning: Expecting logical in W8080 / R8080C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8080 / R8080C24: got '5.0'
## Warning: Expecting logical in Y8080 / R8080C25: got 'ug/L'
## Warning: Expecting logical in M8081 / R8081C13: got '100-41-4'
## Warning: Expecting logical in W8081 / R8081C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8081 / R8081C24: got '5.0'
## Warning: Expecting logical in Y8081 / R8081C25: got 'ug/L'
## Warning: Expecting logical in M8082 / R8082C13: got '75-09-2'
## Warning: Expecting logical in W8082 / R8082C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8082 / R8082C24: got '5.0'
## Warning: Expecting logical in Y8082 / R8082C25: got 'ug/L'
## Warning: Expecting logical in M8083 / R8083C13: got '67-64-1'
## Warning: Expecting logical in W8083 / R8083C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8083 / R8083C24: got '100'
## Warning: Expecting logical in Y8083 / R8083C25: got 'ug/L'
## Warning: Expecting logical in M8084 / R8084C13: got '75-00-3'
## Warning: Expecting logical in W8084 / R8084C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8084 / R8084C24: got '10'
## Warning: Expecting logical in Y8084 / R8084C25: got 'ug/L'
## Warning: Expecting logical in M8085 / R8085C13: got '96-18-4'
## Warning: Expecting logical in W8085 / R8085C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8085 / R8085C24: got '5.0'
## Warning: Expecting logical in Y8085 / R8085C25: got 'ug/L'
## Warning: Expecting logical in M8086 / R8086C13: got '108-67-8'
## Warning: Expecting logical in W8086 / R8086C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8086 / R8086C24: got '5.0'
## Warning: Expecting logical in Y8086 / R8086C25: got 'ug/L'
## Warning: Expecting logical in M8087 / R8087C13: got '95-63-6'
## Warning: Expecting logical in W8087 / R8087C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8087 / R8087C24: got '5.0'
## Warning: Expecting logical in Y8087 / R8087C25: got 'ug/L'
## Warning: Expecting logical in M8088 / R8088C13: got '120-82-1'
## Warning: Expecting logical in W8088 / R8088C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8088 / R8088C24: got '5.0'
## Warning: Expecting logical in Y8088 / R8088C25: got 'ug/L'
## Warning: Expecting logical in M8090 / R8090C13: got '74-83-9'
## Warning: Expecting logical in W8090 / R8090C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8090 / R8090C24: got '10'
## Warning: Expecting logical in Y8090 / R8090C25: got 'ug/L'
## Warning: Expecting logical in M8091 / R8091C13: got '67-64-1'
## Warning: Expecting logical in W8091 / R8091C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8091 / R8091C24: got '100'
## Warning: Expecting logical in Y8091 / R8091C25: got 'ug/L'
## Warning: Expecting logical in M8092 / R8092C13: got '75-09-2'
## Warning: Expecting logical in W8092 / R8092C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8092 / R8092C24: got '5.0'
## Warning: Expecting logical in Y8092 / R8092C25: got 'ug/L'
## Warning: Expecting logical in M8093 / R8093C13: got '78-93-3'
## Warning: Expecting logical in W8093 / R8093C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8093 / R8093C24: got '100'
## Warning: Expecting logical in Y8093 / R8093C25: got 'ug/L'
## Warning: Expecting logical in M8094 / R8094C13: got '71-43-2'
## Warning: Expecting logical in W8094 / R8094C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8094 / R8094C24: got '5.0'
## Warning: Expecting logical in Y8094 / R8094C25: got 'ug/L'
## Warning: Expecting logical in M8095 / R8095C13: got '108-10-1'
## Warning: Expecting logical in W8095 / R8095C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8095 / R8095C24: got '50'
## Warning: Expecting logical in Y8095 / R8095C25: got 'ug/L'
## Warning: Expecting logical in M8096 / R8096C13: got '108-90-7'
## Warning: Expecting logical in W8096 / R8096C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8096 / R8096C24: got '5.0'
## Warning: Expecting logical in Y8096 / R8096C25: got 'ug/L'
## Warning: Expecting logical in M8097 / R8097C13: got '91-20-3'
## Warning: Expecting logical in W8097 / R8097C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8097 / R8097C24: got '5.0'
## Warning: Expecting logical in Y8097 / R8097C25: got 'ug/L'
## Warning: Expecting logical in M8098 / R8098C13: got '95-47-6'
## Warning: Expecting logical in W8098 / R8098C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8098 / R8098C24: got '5.0'
## Warning: Expecting logical in Y8098 / R8098C25: got 'ug/L'
## Warning: Expecting logical in M8099 / R8099C13: got '7440-31-5'
## Warning: Expecting logical in W8099 / R8099C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8099 / R8099C24: got '30'
## Warning: Expecting logical in Y8099 / R8099C25: got 'ug/L'
## Warning: Expecting logical in M8100 / R8100C13: got '7440-70-2'
## Warning: Expecting logical in M8101 / R8101C13: got '135-98-8'
## Warning: Expecting logical in W8101 / R8101C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8101 / R8101C24: got '5.0'
## Warning: Expecting logical in Y8101 / R8101C25: got 'ug/L'
## Warning: Expecting logical in M8102 / R8102C13: got '108-86-1'
```

```
## Warning: Expecting logical in W8102 / R8102C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8102 / R8102C24: got '5.0'
## Warning: Expecting logical in Y8102 / R8102C25: got 'ug/L'
## Warning: Expecting logical in M8103 / R8103C13: got '100-42-5'
## Warning: Expecting logical in W8103 / R8103C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8103 / R8103C24: got '5.0'
## Warning: Expecting logical in Y8103 / R8103C25: got 'ug/L'
## Warning: Expecting logical in M8104 / R8104C13: got '108-88-3'
## Warning: Expecting logical in W8104 / R8104C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8104 / R8104C24: got '5.0'
## Warning: Expecting logical in Y8104 / R8104C25: got 'ug/L'
## Warning: Expecting logical in M8105 / R8105C13: got '110-82-7'
## Warning: Expecting logical in W8105 / R8105C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8105 / R8105C24: got '10'
## Warning: Expecting logical in Y8105 / R8105C25: got 'ug/L'
## Warning: Expecting logical in M8106 / R8106C13: got '156-59-2'
## Warning: Expecting logical in W8106 / R8106C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8106 / R8106C24: got '5.0'
## Warning: Expecting logical in Y8106 / R8106C25: got 'ug/L'
## Warning: Expecting logical in M8107 / R8107C13: got '79-20-9'
## Warning: Expecting logical in W8107 / R8107C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8107 / R8107C24: got '10'
## Warning: Expecting logical in Y8107 / R8107C25: got 'ug/L'
## Warning: Expecting logical in M8108 / R8108C13: got '75-01-4'
```

```
## Warning: Expecting logical in W8108 / R8108C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8108 / R8108C24: got '2.0'
## Warning: Expecting logical in Y8108 / R8108C25: got 'ug/L'
## Warning: Expecting logical in M8109 / R8109C13: got '7439-95-4'
## Warning: Expecting logical in W8109 / R8109C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8109 / R8109C24: got '1000'
## Warning: Expecting logical in Y8109 / R8109C25: got 'ug/L'
## Warning: Expecting logical in M8110 / R8110C13: got '7782-49-2'
## Warning: Expecting logical in W8110 / R8110C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8110 / R8110C24: got '5'
## Warning: Expecting logical in Y8110 / R8110C25: got 'ug/L'
## Warning: Expecting logical in M8111 / R8111C13: got '591-78-6'
## Warning: Expecting logical in W8111 / R8111C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8111 / R8111C24: got '50'
## Warning: Expecting logical in Y8111 / R8111C25: got 'ug/L'
## Warning: Expecting logical in M8112 / R8112C13: got '79-00-5'
## Warning: Expecting logical in W8112 / R8112C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8112 / R8112C24: got '5.0'
## Warning: Expecting logical in Y8112 / R8112C25: got 'ug/L'
## Warning: Expecting logical in M8113 / R8113C13: got '75-27-4'
## Warning: Expecting logical in W8113 / R8113C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8113 / R8113C24: got '5.0'
## Warning: Expecting logical in Y8113 / R8113C25: got 'ug/L'
## Warning: Expecting logical in M8114 / R8114C13: got '56-23-5'
```

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## Warning: Expecting logical in W8114 / R8114C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8114 / R8114C24: got '5.0'
## Warning: Expecting logical in Y8114 / R8114C25: got 'ug/L'
## Warning: Expecting logical in M8115 / R8115C13: got '110-82-7'
## Warning: Expecting logical in W8115 / R8115C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8115 / R8115C24: got '10'
## Warning: Expecting logical in Y8115 / R8115C25: got 'ug/L'
## Warning: Expecting logical in M8116 / R8116C13: got '594-20-7'
## Warning: Expecting logical in W8116 / R8116C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8116 / R8116C24: got '5.0'
## Warning: Expecting logical in Y8116 / R8116C25: got 'ug/L'
## Warning: Expecting logical in M8117 / R8117C13: got '26523-64-8'
## Warning: Expecting logical in W8117 / R8117C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8117 / R8117C24: got '10'
## Warning: Expecting logical in Y8117 / R8117C25: got 'ug/L'
## Warning: Expecting logical in M8118 / R8118C13: got '75-69-4'
## Warning: Expecting logical in W8118 / R8118C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8118 / R8118C24: got '5.0'
## Warning: Expecting logical in Y8118 / R8118C25: got 'ug/L'
## Warning: Expecting logical in M8119 / R8119C13: got '74-87-3'
## Warning: Expecting logical in W8119 / R8119C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8119 / R8119C24: got '10'
## Warning: Expecting logical in Y8119 / R8119C25: got 'ug/L'
## Warning: Expecting logical in M8120 / R8120C13: got '7440-39-3'
```

```
## Warning: Expecting logical in M8121 / R8121C13: got '74-83-9'
## Warning: Expecting logical in W8121 / R8121C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8121 / R8121C24: got '10'
## Warning: Expecting logical in Y8121 / R8121C25: got 'ug/L'
## Warning: Expecting logical in M8122 / R8122C13: got '75-35-4'
## Warning: Expecting logical in W8122 / R8122C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8122 / R8122C24: got '5.0'
## Warning: Expecting logical in Y8122 / R8122C25: got 'ug/L'
## Warning: Expecting logical in M8123 / R8123C13: got '1634-04-4'
## Warning: Expecting logical in W8123 / R8123C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8123 / R8123C24: got '5.0'
## Warning: Expecting logical in Y8123 / R8123C25: got 'ug/L'
## Warning: Expecting logical in M8124 / R8124C13: got '107-06-2'
## Warning: Expecting logical in W8124 / R8124C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8124 / R8124C24: got '5.0'
## Warning: Expecting logical in Y8124 / R8124C25: got 'ug/L'
## Warning: Expecting logical in M8125 / R8125C13: got '78-87-5'
## Warning: Expecting logical in W8125 / R8125C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8125 / R8125C24: got '5.0'
## Warning: Expecting logical in Y8125 / R8125C25: got 'ug/L'
## Warning: Expecting logical in M8126 / R8126C13: got '142-28-9'
## Warning: Expecting logical in W8126 / R8126C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8126 / R8126C24: got '5.0'
## Warning: Expecting logical in Y8126 / R8126C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8127 / R8127C13: got '79-34-5'
## Warning: Expecting logical in W8127 / R8127C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8127 / R8127C24: got '5.0'
## Warning: Expecting logical in Y8127 / R8127C25: got 'ug/L'
## Warning: Expecting logical in M8128 / R8128C13: got '106-43-4'
## Warning: Expecting logical in W8128 / R8128C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8128 / R8128C24: got '5.0'
## Warning: Expecting logical in Y8128 / R8128C25: got 'ug/L'
## Warning: Expecting logical in M8129 / R8129C13: got '106-46-7'
## Warning: Expecting logical in W8129 / R8129C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8129 / R8129C24: got '5.0'
## Warning: Expecting logical in Y8129 / R8129C25: got 'ug/L'
## Warning: Expecting logical in M8130 / R8130C13: got '7439-98-7'
## Warning: Expecting logical in W8130 / R8130C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8130 / R8130C24: got '5'
## Warning: Expecting logical in Y8130 / R8130C25: got 'ug/L'
## Warning: Expecting logical in M8131 / R8131C13: got '7439-89-6'
## Warning: Expecting logical in M8132 / R8132C13: got '25155-15-1'
## Warning: Expecting logical in W8132 / R8132C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8132 / R8132C24: got '5.0'
## Warning: Expecting logical in Y8132 / R8132C25: got 'ug/L'
## Warning: Expecting logical in M8133 / R8133C13: got '179601-23-1'
## Warning: Expecting logical in W8133 / R8133C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8133 / R8133C24: got '10'
```

```
## Warning: Expecting logical in Y8133 / R8133C25: got 'ug/L'
## Warning: Expecting logical in M8134 / R8134C13: got '127-18-4'
## Warning: Expecting logical in W8134 / R8134C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8134 / R8134C24: got '5.0'
## Warning: Expecting logical in Y8134 / R8134C25: got 'ug/L'
## Warning: Expecting logical in M8135 / R8135C13: got '10061-01-5'
## Warning: Expecting logical in W8135 / R8135C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8135 / R8135C24: got '5.0'
## Warning: Expecting logical in Y8135 / R8135C25: got 'ug/L'
## Warning: Expecting logical in M8136 / R8136C13: got '108-87-2'
## Warning: Expecting logical in W8136 / R8136C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8136 / R8136C24: got '10'
## Warning: Expecting logical in Y8136 / R8136C25: got 'ug/L'
## Warning: Expecting logical in M8137 / R8137C13: got '74-97-5'
## Warning: Expecting logical in W8137 / R8137C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8137 / R8137C24: got '5.0'
## Warning: Expecting logical in Y8137 / R8137C25: got 'ug/L'
## Warning: Expecting logical in M8138 / R8138C13: got '156-60-5'
## Warning: Expecting logical in W8138 / R8138C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8138 / R8138C24: got '5.0'
## Warning: Expecting logical in Y8138 / R8138C25: got 'ug/L'
## Warning: Expecting logical in M8139 / R8139C13: got '75-71-8'
## Warning: Expecting logical in W8139 / R8139C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8139 / R8139C24: got '5.0'
```

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## Warning: Expecting logical in Y8139 / R8139C25: got 'ug/L'
## Warning: Expecting logical in M8140 / R8140C13: got '7440-32-6'
## Warning: Expecting logical in M8141 / R8141C13: got '7440-22-4'
## Warning: Expecting logical in W8141 / R8141C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8141 / R8141C24: got '5'
## Warning: Expecting logical in Y8141 / R8141C25: got 'ug/L'
## Warning: Expecting logical in M8142 / R8142C13: got '106-46-7'
## Warning: Expecting logical in W8142 / R8142C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8142 / R8142C24: got '5.0'
## Warning: Expecting logical in Y8142 / R8142C25: got 'ug/L'
## Warning: Expecting logical in M8143 / R8143C13: got '103-65-1'
## Warning: Expecting logical in W8143 / R8143C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8143 / R8143C24: got '5.0'
## Warning: Expecting logical in Y8143 / R8143C25: got 'ug/L'
## Warning: Expecting logical in M8144 / R8144C13: got '10061-01-5'
## Warning: Expecting logical in W8144 / R8144C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8144 / R8144C24: got '5.0'
## Warning: Expecting logical in Y8144 / R8144C25: got 'ug/L'
## Warning: Expecting logical in M8145 / R8145C13: got '108-05-4'
## Warning: Expecting logical in W8145 / R8145C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8145 / R8145C24: got '50'
## Warning: Expecting logical in Y8145 / R8145C25: got 'ug/L'
## Warning: Expecting logical in M8146 / R8146C13: got '7440-23-5'
## Warning: Expecting logical in M8147 / R8147C13: got '7440-09-7'
```

```
## Warning: Expecting logical in M8148 / R8148C13: got '7440-50-8'
## Warning: Expecting logical in M8149 / R8149C13: got '91-20-3'
## Warning: Expecting logical in W8149 / R8149C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8149 / R8149C24: got '5.0'
## Warning: Expecting logical in Y8149 / R8149C25: got 'ug/L'
## Warning: Expecting logical in M8150 / R8150C13: got '95-50-1'
## Warning: Expecting logical in W8150 / R8150C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8150 / R8150C24: got '5.0'
## Warning: Expecting logical in Y8150 / R8150C25: got 'ug/L'
## Warning: Expecting logical in M8151 / R8151C13: got '100-41-4'
## Warning: Expecting logical in W8151 / R8151C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8151 / R8151C24: got '5.0'
## Warning: Expecting logical in Y8151 / R8151C25: got 'ug/L'
## Warning: Expecting logical in M8152 / R8152C13: got '591-78-6'
## Warning: Expecting logical in W8152 / R8152C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8152 / R8152C24: got '50'
## Warning: Expecting logical in Y8152 / R8152C25: got 'ug/L'
## Warning: Expecting logical in M8153 / R8153C13: got '127-18-4'
## Warning: Expecting logical in W8153 / R8153C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8153 / R8153C24: got '5.0'
## Warning: Expecting logical in Y8153 / R8153C25: got 'ug/L'
## Warning: Expecting logical in M8154 / R8154C13: got '67-64-1'
## Warning: Expecting logical in W8154 / R8154C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8154 / R8154C24: got '100'
```

```
## Warning: Expecting logical in Y8154 / R8154C25: got 'ug/L'
## Warning: Expecting logical in M8155 / R8155C13: got '75-71-8'
## Warning: Expecting logical in W8155 / R8155C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8155 / R8155C24: got '5.0'
## Warning: Expecting logical in Y8155 / R8155C25: got 'ug/L'
## Warning: Expecting logical in M8156 / R8156C13: got '108-10-1'
## Warning: Expecting logical in W8156 / R8156C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8156 / R8156C24: got '50'
## Warning: Expecting logical in Y8156 / R8156C25: got 'ug/L'
## Warning: Expecting logical in M8157 / R8157C13: got '96-12-8'
## Warning: Expecting logical in W8157 / R8157C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8157 / R8157C24: got '5.0'
## Warning: Expecting logical in Y8157 / R8157C25: got 'ug/L'
## Warning: Expecting logical in M8158 / R8158C13: got '7440-22-4'
## Warning: Expecting logical in M8159 / R8159C13: got '7440-02-0'
## Warning: Expecting logical in M8160 / R8160C13: got '104-51-8'
## Warning: Expecting logical in W8160 / R8160C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8160 / R8160C24: got '5.0'
## Warning: Expecting logical in Y8160 / R8160C25: got 'ug/L'
## Warning: Expecting logical in M8161 / R8161C13: got '7440-32-6'
## Warning: Expecting logical in W8161 / R8161C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8161 / R8161C24: got '10'
## Warning: Expecting logical in Y8161 / R8161C25: got 'ug/L'
## Warning: Expecting logical in M8162 / R8162C13: got '106-46-7'
```

```
## Warning: Expecting logical in W8162 / R8162C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8162 / R8162C24: got '5.0'
## Warning: Expecting logical in Y8162 / R8162C25: got 'ug/L'
## Warning: Expecting logical in M8163 / R8163C13: got '25155-15-1'
## Warning: Expecting logical in W8163 / R8163C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8163 / R8163C24: got '5.0'
## Warning: Expecting logical in Y8163 / R8163C25: got 'ug/L'
## Warning: Expecting logical in M8164 / R8164C13: got '106-43-4'
## Warning: Expecting logical in W8164 / R8164C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8164 / R8164C24: got '5.0'
## Warning: Expecting logical in Y8164 / R8164C25: got 'ug/L'
## Warning: Expecting logical in M8165 / R8165C13: got '78-87-5'
## Warning: Expecting logical in W8165 / R8165C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8165 / R8165C24: got '5.0'
## Warning: Expecting logical in Y8165 / R8165C25: got 'ug/L'
## Warning: Expecting logical in M8166 / R8166C13: got '107-13-1'
## Warning: Expecting logical in W8166 / R8166C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8166 / R8166C24: got '200'
## Warning: Expecting logical in Y8166 / R8166C25: got 'ug/L'
## Warning: Expecting logical in M8167 / R8167C13: got '98-06-6'
## Warning: Expecting logical in W8167 / R8167C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8167 / R8167C24: got '5.0'
## Warning: Expecting logical in Y8167 / R8167C25: got 'ug/L'
## Warning: Expecting logical in M8168 / R8168C13: got '75-27-4'
```

```
## Warning: Expecting logical in W8168 / R8168C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8168 / R8168C24: got '5.0'
## Warning: Expecting logical in Y8168 / R8168C25: got 'ug/L'
## Warning: Expecting logical in M8169 / R8169C13: got '107-06-2'
## Warning: Expecting logical in W8169 / R8169C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8169 / R8169C24: got '5.0'
## Warning: Expecting logical in Y8169 / R8169C25: got 'ug/L'
## Warning: Expecting logical in M8170 / R8170C13: got '156-60-5'
## Warning: Expecting logical in W8170 / R8170C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8170 / R8170C24: got '5.0'
## Warning: Expecting logical in Y8170 / R8170C25: got 'ug/L'
## Warning: Expecting logical in M8171 / R8171C13: got '74-83-9'
## Warning: Expecting logical in W8171 / R8171C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8171 / R8171C24: got '10'
## Warning: Expecting logical in Y8171 / R8171C25: got 'ug/L'
## Warning: Expecting logical in M8172 / R8172C13: got '74-87-3'
## Warning: Expecting logical in W8172 / R8172C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8172 / R8172C24: got '10'
## Warning: Expecting logical in Y8172 / R8172C25: got 'ug/L'
## Warning: Expecting logical in M8173 / R8173C13: got '7440-39-3'
## Warning: Expecting logical in M8174 / R8174C13: got '7439-89-6'
## Warning: Expecting logical in M8175 / R8175C13: got '7440-28-0'
## Warning: Expecting logical in W8175 / R8175C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8175 / R8175C24: got '5.0'
```

```
## Warning: Expecting logical in Y8175 / R8175C25: got 'ug/L'
## Warning: Expecting logical in M8176 / R8176C13: got '7440-38-2'
## Warning: Expecting logical in W8176 / R8176C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8176 / R8176C24: got '25'
## Warning: Expecting logical in Y8176 / R8176C25: got 'ug/L'
## Warning: Expecting logical in M8177 / R8177C13: got '79-20-9'
## Warning: Expecting logical in W8177 / R8177C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8177 / R8177C24: got '10'
## Warning: Expecting logical in Y8177 / R8177C25: got 'ug/L'
## Warning: Expecting logical in M8178 / R8178C13: got '594-20-7'
## Warning: Expecting logical in W8178 / R8178C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8178 / R8178C24: got '5.0'
## Warning: Expecting logical in Y8178 / R8178C25: got 'ug/L'
## Warning: Expecting logical in M8179 / R8179C13: got '108-88-3'
## Warning: Expecting logical in W8179 / R8179C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8179 / R8179C24: got '5.0'
## Warning: Expecting logical in Y8179 / R8179C25: got 'ug/L'
## Warning: Expecting logical in M8180 / R8180C13: got '98-82-8'
## Warning: Expecting logical in W8180 / R8180C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8180 / R8180C24: got '5.0'
## Warning: Expecting logical in Y8180 / R8180C25: got 'ug/L'
## Warning: Expecting logical in M8181 / R8181C13: got '108-86-1'
## Warning: Expecting logical in W8181 / R8181C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8181 / R8181C24: got '5.0'
```

```
## Warning: Expecting logical in Y8181 / R8181C25: got 'ug/L'
## Warning: Expecting logical in M8182 / R8182C13: got '95-63-6'
## Warning: Expecting logical in W8182 / R8182C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8182 / R8182C24: got '5.0'
## Warning: Expecting logical in Y8182 / R8182C25: got 'ug/L'
## Warning: Expecting logical in M8183 / R8183C13: got '120-82-1'
## Warning: Expecting logical in W8183 / R8183C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8183 / R8183C24: got '5.0'
## Warning: Expecting logical in Y8183 / R8183C25: got 'ug/L'
## Warning: Expecting logical in M8184 / R8184C13: got '75-69-4'
## Warning: Expecting logical in W8184 / R8184C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8184 / R8184C24: got '5.0'
## Warning: Expecting logical in Y8184 / R8184C25: got 'ug/L'
## Warning: Expecting logical in M8185 / R8185C13: got '7440-31-5'
## Warning: Expecting logical in W8185 / R8185C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8185 / R8185C24: got '150'
## Warning: Expecting logical in Y8185 / R8185C25: got 'ug/L'
## Warning: Expecting logical in M8186 / R8186C13: got '7440-70-2'
## Warning: Expecting logical in M8187 / R8187C13: got '78-93-3'
## Warning: Expecting logical in W8187 / R8187C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8187 / R8187C24: got '100'
## Warning: Expecting logical in Y8187 / R8187C25: got 'ug/L'
## Warning: Expecting logical in M8188 / R8188C13: got '79-00-5'
## Warning: Expecting logical in W8188 / R8188C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8188 / R8188C24: got '5.0'
## Warning: Expecting logical in Y8188 / R8188C25: got 'ug/L'
## Warning: Expecting logical in M8189 / R8189C13: got '630-20-6'
## Warning: Expecting logical in W8189 / R8189C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8189 / R8189C24: got '5.0'
## Warning: Expecting logical in Y8189 / R8189C25: got 'ug/L'
## Warning: Expecting logical in M8190 / R8190C13: got '110-57-6'
## Warning: Expecting logical in W8190 / R8190C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8190 / R8190C24: got '100'
## Warning: Expecting logical in Y8190 / R8190C25: got 'ug/L'
## Warning: Expecting logical in M8191 / R8191C13: got '87-68-3'
## Warning: Expecting logical in W8191 / R8191C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8191 / R8191C24: got '5.0'
## Warning: Expecting logical in Y8191 / R8191C25: got 'ug/L'
## Warning: Expecting logical in W8193 / R8193C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8193 / R8193C24: got '5'
## Warning: Expecting logical in Y8193 / R8193C25: got 'mg/L'
## Warning: Expecting logical in M8194 / R8194C13: got '75-00-3'
## Warning: Expecting logical in W8194 / R8194C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8194 / R8194C24: got '10'
## Warning: Expecting logical in Y8194 / R8194C25: got 'ug/L'
## Warning: Expecting logical in M8195 / R8195C13: got '110-82-7'
## Warning: Expecting logical in W8195 / R8195C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8195 / R8195C24: got '10'
```

```
## Warning: Expecting logical in Y8195 / R8195C25: got 'ug/L'
## Warning: Expecting logical in M8196 / R8196C13: got '79-01-6'
## Warning: Expecting logical in W8196 / R8196C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8196 / R8196C24: got '5.0'
## Warning: Expecting logical in Y8196 / R8196C25: got 'ug/L'
## Warning: Expecting logical in M8197 / R8197C13: got '108-90-7'
## Warning: Expecting logical in W8197 / R8197C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8197 / R8197C24: got '5.0'
## Warning: Expecting logical in Y8197 / R8197C25: got 'ug/L'
## Warning: Expecting logical in M8198 / R8198C13: got '96-18-4'
## Warning: Expecting logical in W8198 / R8198C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8198 / R8198C24: got '5.0'
## Warning: Expecting logical in Y8198 / R8198C25: got 'ug/L'
## Warning: Expecting logical in M8199 / R8199C13: got '7440-47-3'
## Warning: Expecting logical in W8199 / R8199C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8199 / R8199C24: got '25'
## Warning: Expecting logical in Y8199 / R8199C25: got 'ug/L'
## Warning: Expecting logical in M8200 / R8200C13: got '7440-62-2'
## Warning: Expecting logical in W8200 / R8200C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8200 / R8200C24: got '10'
## Warning: Expecting logical in Y8200 / R8200C25: got 'ug/L'
## Warning: Expecting logical in M8201 / R8201C13: got '75-35-4'
## Warning: Expecting logical in W8201 / R8201C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8201 / R8201C24: got '5.0'
```

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## Warning: Expecting logical in Y8201 / R8201C25: got 'ug/L'
## Warning: Expecting logical in M8202 / R8202C13: got '74-97-5'
## Warning: Expecting logical in W8202 / R8202C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8202 / R8202C24: got '5.0'
## Warning: Expecting logical in Y8202 / R8202C25: got 'ug/L'
## Warning: Expecting logical in M8203 / R8203C13: got '7439-98-7'
## Warning: Expecting logical in W8203 / R8203C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8203 / R8203C24: got '25'
## Warning: Expecting logical in Y8203 / R8203C25: got 'ug/L'
## Warning: Expecting logical in M8204 / R8204C13: got '7429-90-5'
## Warning: Expecting logical in M8205 / R8205C13: got '108-67-8'
## Warning: Expecting logical in W8205 / R8205C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8205 / R8205C24: got '5.0'
## Warning: Expecting logical in Y8205 / R8205C25: got 'ug/L'
## Warning: Expecting logical in M8206 / R8206C13: got '7440-48-4'
## Warning: Expecting logical in W8206 / R8206C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8206 / R8206C24: got '10'
## Warning: Expecting logical in Y8206 / R8206C25: got 'ug/L'
## Warning: Expecting logical in M8207 / R8207C13: got '7440-66-6'
## Warning: Expecting logical in M8208 / R8208C13: got '10061-02-6'
## Warning: Expecting logical in W8208 / R8208C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8208 / R8208C24: got '5.0'
## Warning: Expecting logical in Y8208 / R8208C25: got 'ug/L'
## Warning: Expecting logical in M8209 / R8209C13: got '156-59-2'
```

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## Warning: Expecting logical in W8209 / R8209C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8209 / R8209C24: got '5.0'
## Warning: Expecting logical in Y8209 / R8209C25: got 'ug/L'
## Warning: Expecting logical in M8210 / R8210C13: got '75-09-2'
## Warning: Expecting logical in W8210 / R8210C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8210 / R8210C24: got '5.0'
## Warning: Expecting logical in Y8210 / R8210C25: got 'ug/L'
## Warning: Expecting logical in M8211 / R8211C13: got '75-01-4'
## Warning: Expecting logical in W8211 / R8211C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8211 / R8211C24: got '2.0'
## Warning: Expecting logical in Y8211 / R8211C25: got 'ug/L'
## Warning: Expecting logical in M8212 / R8212C13: got '74-95-3'
## Warning: Expecting logical in W8212 / R8212C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8212 / R8212C24: got '5.0'
## Warning: Expecting logical in Y8212 / R8212C25: got 'ug/L'
## Warning: Expecting logical in M8213 / R8213C13: got '103-65-1'
## Warning: Expecting logical in W8213 / R8213C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8213 / R8213C24: got '5.0'
## Warning: Expecting logical in Y8213 / R8213C25: got 'ug/L'
## Warning: Expecting logical in M8214 / R8214C13: got '57-12-5'
## Warning: Expecting logical in M8215 / R8215C13: got '7440-61-1'
## Warning: Expecting logical in W8215 / R8215C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8215 / R8215C24: got '5.0'
## Warning: Expecting logical in Y8215 / R8215C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8216 / R8216C13: got '7782-49-2'
## Warning: Expecting logical in W8216 / R8216C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8216 / R8216C24: got '25'
## Warning: Expecting logical in Y8216 / R8216C25: got 'ug/L'
## Warning: Expecting logical in M8217 / R8217C13: got '7440-36-0'
## Warning: Expecting logical in W8217 / R8217C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8217 / R8217C24: got '25'
## Warning: Expecting logical in Y8217 / R8217C25: got 'ug/L'
## Warning: Expecting logical in M8218 / R8218C13: got '79-34-5'
## Warning: Expecting logical in W8218 / R8218C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8218 / R8218C24: got '5.0'
## Warning: Expecting logical in Y8218 / R8218C25: got 'ug/L'
## Warning: Expecting logical in M8219 / R8219C13: got '106-93-4'
## Warning: Expecting logical in W8219 / R8219C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8219 / R8219C24: got '5.0'
## Warning: Expecting logical in Y8219 / R8219C25: got 'ug/L'
## Warning: Expecting logical in M8220 / R8220C13: got '563-58-6'
## Warning: Expecting logical in W8220 / R8220C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8220 / R8220C24: got '5.0'
## Warning: Expecting logical in Y8220 / R8220C25: got 'ug/L'
## Warning: Expecting logical in M8221 / R8221C13: got '95-47-6'
## Warning: Expecting logical in W8221 / R8221C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8221 / R8221C24: got '5.0'
## Warning: Expecting logical in Y8221 / R8221C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8222 / R8222C13: got '179601-23-1'
## Warning: Expecting logical in W8222 / R8222C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8222 / R8222C24: got '10'
## Warning: Expecting logical in Y8222 / R8222C25: got 'ug/L'
## Warning: Expecting logical in M8223 / R8223C13: got '142-28-9'
## Warning: Expecting logical in W8223 / R8223C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8223 / R8223C24: got '5.0'
## Warning: Expecting logical in Y8223 / R8223C25: got 'ug/L'
## Warning: Expecting logical in M8224 / R8224C13: got '108-87-2'
## Warning: Expecting logical in W8224 / R8224C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8224 / R8224C24: got '10'
## Warning: Expecting logical in Y8224 / R8224C25: got 'ug/L'
## Warning: Expecting logical in M8225 / R8225C13: got '26523-64-8'
## Warning: Expecting logical in W8225 / R8225C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8225 / R8225C24: got '10'
## Warning: Expecting logical in Y8225 / R8225C25: got 'ug/L'
## Warning: Expecting logical in M8226 / R8226C13: got '71-55-6'
## Warning: Expecting logical in W8226 / R8226C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8226 / R8226C24: got '5.0'
## Warning: Expecting logical in Y8226 / R8226C25: got 'ug/L'
## Warning: Expecting logical in M8227 / R8227C13: got '541-73-1'
## Warning: Expecting logical in W8227 / R8227C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8227 / R8227C24: got '5.0'
## Warning: Expecting logical in Y8227 / R8227C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8228 / R8228C13: got '100-42-5'
## Warning: Expecting logical in W8228 / R8228C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8228 / R8228C24: got '5.0'
## Warning: Expecting logical in Y8228 / R8228C25: got 'ug/L'
## Warning: Expecting logical in M8229 / R8229C13: got '7429-90-5'
## Warning: Expecting logical in M8230 / R8230C13: got '135-98-8'
## Warning: Expecting logical in W8230 / R8230C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8230 / R8230C24: got '5.0'
## Warning: Expecting logical in Y8230 / R8230C25: got 'ug/L'
## Warning: Expecting logical in M8231 / R8231C13: got '124-48-1'
## Warning: Expecting logical in W8231 / R8231C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8231 / R8231C24: got '5.0'
## Warning: Expecting logical in Y8231 / R8231C25: got 'ug/L'
## Warning: Expecting logical in M8232 / R8232C13: got '71-43-2'
## Warning: Expecting logical in W8232 / R8232C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8232 / R8232C24: got '5.0'
## Warning: Expecting logical in Y8232 / R8232C25: got 'ug/L'
## Warning: Expecting logical in M8233 / R8233C13: got '75-15-0'
## Warning: Expecting logical in M8234 / R8234C13: got '87-61-6'
## Warning: Expecting logical in W8234 / R8234C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8234 / R8234C24: got '5.0'
## Warning: Expecting logical in Y8234 / R8234C25: got 'ug/L'
## Warning: Expecting logical in M8235 / R8235C13: got '75-25-2'
## Warning: Expecting logical in W8235 / R8235C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8235 / R8235C24: got '5.0'
## Warning: Expecting logical in Y8235 / R8235C25: got 'ug/L'
## Warning: Expecting logical in M8236 / R8236C13: got '7439-92-1'
## Warning: Expecting logical in M8237 / R8237C13: got '7440-41-7'
## Warning: Expecting logical in W8237 / R8237C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8237 / R8237C24: got '10'
## Warning: Expecting logical in Y8237 / R8237C25: got 'ug/L'
## Warning: Expecting logical in M8238 / R8238C13: got '56-23-5'
## Warning: Expecting logical in W8238 / R8238C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8238 / R8238C24: got '5.0'
## Warning: Expecting logical in Y8238 / R8238C25: got 'ug/L'
## Warning: Expecting logical in M8239 / R8239C13: got '75-34-3'
## Warning: Expecting logical in W8239 / R8239C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8239 / R8239C24: got '5.0'
## Warning: Expecting logical in Y8239 / R8239C25: got 'ug/L'
## Warning: Expecting logical in M8240 / R8240C13: got '1634-04-4'
## Warning: Expecting logical in W8240 / R8240C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8240 / R8240C24: got '5.0'
## Warning: Expecting logical in Y8240 / R8240C25: got 'ug/L'
## Warning: Expecting logical in M8241 / R8241C13: got '67-66-3'
## Warning: Expecting logical in M8242 / R8242C13: got '95-49-8'
## Warning: Expecting logical in W8242 / R8242C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8242 / R8242C24: got '5.0'
## Warning: Expecting logical in Y8242 / R8242C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8243 / R8243C13: got '7440-43-9'
## Warning: Expecting logical in M8244 / R8244C13: got '7439-95-4'
## Warning: Expecting logical in M8245 / R8245C13: got '7439-96-5'
## Warning: Expecting logical in M8246 / R8246C13: got '74-88-4'
## Warning: Expecting logical in W8246 / R8246C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8246 / R8246C24: got '5.0'
## Warning: Expecting logical in Y8246 / R8246C25: got 'ug/L'
## Warning: Expecting logical in M8247 / R8247C13: got '87-68-3'
## Warning: Expecting logical in W8247 / R8247C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8247 / R8247C24: got '5.0'
## Warning: Expecting logical in Y8247 / R8247C25: got 'ug/L'
## Warning: Expecting logical in M8248 / R8248C13: got '7440-02-0'
## Warning: Expecting logical in W8248 / R8248C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8248 / R8248C24: got '10'
## Warning: Expecting logical in Y8248 / R8248C25: got 'ug/L'
## Warning: Expecting logical in M8249 / R8249C13: got '7439-96-5'
## Warning: Expecting logical in W8249 / R8249C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8249 / R8249C24: got '10'
## Warning: Expecting logical in Y8249 / R8249C25: got 'ug/L'
## Warning: Expecting logical in M8250 / R8250C13: got '7429-90-5'
## Warning: Expecting logical in M8251 / R8251C13: got '95-63-6'
## Warning: Expecting logical in W8251 / R8251C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8251 / R8251C24: got '5.0'
## Warning: Expecting logical in Y8251 / R8251C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8252 / R8252C13: got '71-43-2'
## Warning: Expecting logical in W8252 / R8252C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8252 / R8252C24: got '5.0'
## Warning: Expecting logical in Y8252 / R8252C25: got 'ug/L'
## Warning: Expecting logical in M8253 / R8253C13: got '67-64-1'
## Warning: Expecting logical in W8253 / R8253C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8253 / R8253C24: got '100'
## Warning: Expecting logical in Y8253 / R8253C25: got 'ug/L'
## Warning: Expecting logical in M8254 / R8254C13: got '108-90-7'
## Warning: Expecting logical in W8254 / R8254C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8254 / R8254C24: got '5.0'
## Warning: Expecting logical in Y8254 / R8254C25: got 'ug/L'
## Warning: Expecting logical in M8255 / R8255C13: got '79-01-6'
## Warning: Expecting logical in W8255 / R8255C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8255 / R8255C24: got '5.0'
## Warning: Expecting logical in Y8255 / R8255C25: got 'ug/L'
## Warning: Expecting logical in M8256 / R8256C13: got '79-20-9'
## Warning: Expecting logical in W8256 / R8256C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8256 / R8256C24: got '10'
## Warning: Expecting logical in Y8256 / R8256C25: got 'ug/L'
## Warning: Expecting logical in M8257 / R8257C13: got '75-00-3'
## Warning: Expecting logical in W8257 / R8257C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8257 / R8257C24: got '10'
## Warning: Expecting logical in Y8257 / R8257C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8258 / R8258C13: got '7439-98-7'
## Warning: Expecting logical in W8258 / R8258C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8258 / R8258C24: got '5'
## Warning: Expecting logical in Y8258 / R8258C25: got 'ug/L'
## Warning: Expecting logical in M8259 / R8259C13: got '7440-50-8'
## Warning: Expecting logical in M8260 / R8260C13: got '7429-90-5'
## Warning: Expecting logical in M8261 / R8261C13: got '104-51-8'
## Warning: Expecting logical in W8261 / R8261C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8261 / R8261C24: got '5.0'
## Warning: Expecting logical in Y8261 / R8261C25: got 'ug/L'
## Warning: Expecting logical in M8262 / R8262C13: got '87-61-6'
## Warning: Expecting logical in W8262 / R8262C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8262 / R8262C24: got '5.0'
## Warning: Expecting logical in Y8262 / R8262C25: got 'ug/L'
## Warning: Expecting logical in M8263 / R8263C13: got '7440-23-5'
## Warning: Expecting logical in M8264 / R8264C13: got '78-93-3'
## Warning: Expecting logical in W8264 / R8264C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8264 / R8264C24: got '100'
## Warning: Expecting logical in Y8264 / R8264C25: got 'ug/L'
## Warning: Expecting logical in M8265 / R8265C13: got '7440-28-0'
## Warning: Expecting logical in W8265 / R8265C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8265 / R8265C24: got '1'
## Warning: Expecting logical in Y8265 / R8265C25: got 'ug/L'
## Warning: Expecting logical in M8266 / R8266C13: got '7439-92-1'
```

```
## Warning: Expecting logical in W8266 / R8266C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8266 / R8266C24: got '1'
## Warning: Expecting logical in Y8266 / R8266C25: got 'ug/L'
## Warning: Expecting logical in M8267 / R8267C13: got '25155-15-1'
## Warning: Expecting logical in W8267 / R8267C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8267 / R8267C24: got '5.0'
## Warning: Expecting logical in Y8267 / R8267C25: got 'ug/L'
## Warning: Expecting logical in M8268 / R8268C13: got '110-57-6'
## Warning: Expecting logical in W8268 / R8268C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8268 / R8268C24: got '100'
## Warning: Expecting logical in Y8268 / R8268C25: got 'ug/L'
## Warning: Expecting logical in M8269 / R8269C13: got '95-47-6'
## Warning: Expecting logical in W8269 / R8269C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8269 / R8269C24: got '5.0'
## Warning: Expecting logical in Y8269 / R8269C25: got 'ug/L'
## Warning: Expecting logical in M8270 / R8270C13: got '108-87-2'
## Warning: Expecting logical in W8270 / R8270C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8270 / R8270C24: got '10'
## Warning: Expecting logical in Y8270 / R8270C25: got 'ug/L'
## Warning: Expecting logical in M8271 / R8271C13: got '74-97-5'
## Warning: Expecting logical in W8271 / R8271C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8271 / R8271C24: got '5.0'
## Warning: Expecting logical in Y8271 / R8271C25: got 'ug/L'
## Warning: Expecting logical in M8272 / R8272C13: got '75-15-0'
```

```
## Warning: Expecting logical in W8272 / R8272C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8272 / R8272C24: got '5.0'
## Warning: Expecting logical in Y8272 / R8272C25: got 'ug/L'
## Warning: Expecting logical in M8273 / R8273C13: got '56-23-5'
## Warning: Expecting logical in W8273 / R8273C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8273 / R8273C24: got '5.0'
## Warning: Expecting logical in Y8273 / R8273C25: got 'ug/L'
## Warning: Expecting logical in M8274 / R8274C13: got '74-95-3'
## Warning: Expecting logical in W8274 / R8274C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8274 / R8274C24: got '5.0'
## Warning: Expecting logical in Y8274 / R8274C25: got 'ug/L'
## Warning: Expecting logical in M8275 / R8275C13: got '108-10-1'
## Warning: Expecting logical in W8275 / R8275C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8275 / R8275C24: got '50'
## Warning: Expecting logical in Y8275 / R8275C25: got 'ug/L'
## Warning: Expecting logical in M8276 / R8276C13: got '79-00-5'
## Warning: Expecting logical in W8276 / R8276C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8276 / R8276C24: got '5.0'
## Warning: Expecting logical in Y8276 / R8276C25: got 'ug/L'
## Warning: Expecting logical in M8277 / R8277C13: got '541-73-1'
## Warning: Expecting logical in W8277 / R8277C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8277 / R8277C24: got '5.0'
## Warning: Expecting logical in Y8277 / R8277C25: got 'ug/L'
## Warning: Expecting logical in M8278 / R8278C13: got '7439-95-4'
```

```
## Warning: Expecting logical in M8279 / R8279C13: got '630-20-6'
## Warning: Expecting logical in W8279 / R8279C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8279 / R8279C24: got '5.0'
## Warning: Expecting logical in Y8279 / R8279C25: got 'ug/L'
## Warning: Expecting logical in M8280 / R8280C13: got '74-87-3'
## Warning: Expecting logical in W8280 / R8280C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8280 / R8280C24: got '10'
## Warning: Expecting logical in Y8280 / R8280C25: got 'ug/L'
## Warning: Expecting logical in M8281 / R8281C13: got '75-34-3'
## Warning: Expecting logical in W8281 / R8281C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8281 / R8281C24: got '5.0'
## Warning: Expecting logical in Y8281 / R8281C25: got 'ug/L'
## Warning: Expecting logical in M8282 / R8282C13: got '563-58-6'
## Warning: Expecting logical in W8282 / R8282C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8282 / R8282C24: got '5.0'
## Warning: Expecting logical in Y8282 / R8282C25: got 'ug/L'
## Warning: Expecting logical in M8283 / R8283C13: got '98-82-8'
## Warning: Expecting logical in W8283 / R8283C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8283 / R8283C24: got '5.0'
## Warning: Expecting logical in Y8283 / R8283C25: got 'ug/L'
## Warning: Expecting logical in M8284 / R8284C13: got '75-25-2'
## Warning: Expecting logical in W8284 / R8284C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8284 / R8284C24: got '5.0'
## Warning: Expecting logical in Y8284 / R8284C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8286 / R8286C13: got '7440-41-7'
## Warning: Expecting logical in W8286 / R8286C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8286 / R8286C24: got '10'
## Warning: Expecting logical in Y8286 / R8286C25: got 'ug/L'
## Warning: Expecting logical in M8287 / R8287C13: got '7439-89-6'
## Warning: Expecting logical in M8288 / R8288C13: got '591-78-6'
## Warning: Expecting logical in W8288 / R8288C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8288 / R8288C24: got '50'
## Warning: Expecting logical in Y8288 / R8288C25: got 'ug/L'
## Warning: Expecting logical in M8289 / R8289C13: got '110-82-7'
## Warning: Expecting logical in W8289 / R8289C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8289 / R8289C24: got '10'
## Warning: Expecting logical in Y8289 / R8289C25: got 'ug/L'
## Warning: Expecting logical in M8290 / R8290C13: got '107-13-1'
## Warning: Expecting logical in W8290 / R8290C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8290 / R8290C24: got '200'
## Warning: Expecting logical in Y8290 / R8290C25: got 'ug/L'
## Warning: Expecting logical in M8291 / R8291C13: got '74-88-4'
## Warning: Expecting logical in W8291 / R8291C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8291 / R8291C24: got '5.0'
## Warning: Expecting logical in Y8291 / R8291C25: got 'ug/L'
## Warning: Expecting logical in M8292 / R8292C13: got '7440-62-2'
## Warning: Expecting logical in W8292 / R8292C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8292 / R8292C24: got '10'
```

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## Warning: Expecting logical in Y8292 / R8292C25: got 'ug/L'
## Warning: Expecting logical in M8293 / R8293C13: got '7782-49-2'
## Warning: Expecting logical in W8293 / R8293C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8293 / R8293C24: got '5'
## Warning: Expecting logical in Y8293 / R8293C25: got 'ug/L'
## Warning: Expecting logical in M8294 / R8294C13: got '7440-09-7'
## Warning: Expecting logical in W8294 / R8294C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8294 / R8294C24: got '5000'
## Warning: Expecting logical in Y8294 / R8294C25: got 'ug/L'
## Warning: Expecting logical in M8295 / R8295C13: got '7440-70-2'
## Warning: Expecting logical in M8296 / R8296C13: got '108-67-8'
## Warning: Expecting logical in W8296 / R8296C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8296 / R8296C24: got '5.0'
## Warning: Expecting logical in Y8296 / R8296C25: got 'ug/L'
## Warning: Expecting logical in M8297 / R8297C13: got '10061-01-5'
## Warning: Expecting logical in W8297 / R8297C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8297 / R8297C24: got '5.0'
## Warning: Expecting logical in Y8297 / R8297C25: got 'ug/L'
## Warning: Expecting logical in M8298 / R8298C13: got '7440-61-1'
## Warning: Expecting logical in W8298 / R8298C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8298 / R8298C24: got '1'
## Warning: Expecting logical in Y8298 / R8298C25: got 'ug/L'
## Warning: Expecting logical in M8299 / R8299C13: got '120-82-1'
## Warning: Expecting logical in W8299 / R8299C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8299 / R8299C24: got '5.0'
## Warning: Expecting logical in Y8299 / R8299C25: got 'ug/L'
## Warning: Expecting logical in M8300 / R8300C13: got '7440-22-4'
## Warning: Expecting logical in W8300 / R8300C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8300 / R8300C24: got '5'
## Warning: Expecting logical in Y8300 / R8300C25: got 'ug/L'
## Warning: Expecting logical in M8301 / R8301C13: got '7440-43-9'
## Warning: Expecting logical in W8301 / R8301C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8301 / R8301C24: got '0.7'
## Warning: Expecting logical in Y8301 / R8301C25: got 'ug/L'
## Warning: Expecting logical in W8302 / R8302C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8302 / R8302C24: got '10'
## Warning: Expecting logical in Y8302 / R8302C25: got 'mg/L'
## Warning: Expecting logical in M8303 / R8303C13: got '95-50-1'
## Warning: Expecting logical in W8303 / R8303C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8303 / R8303C24: got '5.0'
## Warning: Expecting logical in Y8303 / R8303C25: got 'ug/L'
## Warning: Expecting logical in M8304 / R8304C13: got '103-65-1'
## Warning: Expecting logical in W8304 / R8304C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8304 / R8304C24: got '5.0'
## Warning: Expecting logical in Y8304 / R8304C25: got 'ug/L'
## Warning: Expecting logical in M8305 / R8305C13: got '100-42-5'
## Warning: Expecting logical in W8305 / R8305C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8305 / R8305C24: got '5.0'
```

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## Warning: Expecting logical in Y8305 / R8305C25: got 'ug/L'
## Warning: Expecting logical in M8306 / R8306C13: got '108-88-3'
## Warning: Expecting logical in W8306 / R8306C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8306 / R8306C24: got '5.0'
## Warning: Expecting logical in Y8306 / R8306C25: got 'ug/L'
## Warning: Expecting logical in M8307 / R8307C13: got '156-59-2'
## Warning: Expecting logical in W8307 / R8307C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8307 / R8307C24: got '5.0'
## Warning: Expecting logical in Y8307 / R8307C25: got 'ug/L'
## Warning: Expecting logical in M8308 / R8308C13: got '75-01-4'
## Warning: Expecting logical in W8308 / R8308C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8308 / R8308C24: got '2.0'
## Warning: Expecting logical in Y8308 / R8308C25: got 'ug/L'
## Warning: Expecting logical in M8309 / R8309C13: got '75-35-4'
## Warning: Expecting logical in W8309 / R8309C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8309 / R8309C24: got '5.0'
## Warning: Expecting logical in Y8309 / R8309C25: got 'ug/L'
## Warning: Expecting logical in M8310 / R8310C13: got '156-60-5'
## Warning: Expecting logical in W8310 / R8310C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8310 / R8310C24: got '5.0'
## Warning: Expecting logical in Y8310 / R8310C25: got 'ug/L'
## Warning: Expecting logical in M8311 / R8311C13: got '67-66-3'
## Warning: Expecting logical in W8311 / R8311C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8311 / R8311C24: got '5.0'
```

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## Warning: Expecting logical in Y8311 / R8311C25: got 'ug/L'
## Warning: Expecting logical in M8312 / R8312C13: got '10061-02-6'
## Warning: Expecting logical in W8312 / R8312C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8312 / R8312C24: got '5.0'
## Warning: Expecting logical in Y8312 / R8312C25: got 'ug/L'
## Warning: Expecting logical in M8313 / R8313C13: got '179601-23-1'
## Warning: Expecting logical in W8313 / R8313C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8313 / R8313C24: got '10'
## Warning: Expecting logical in Y8313 / R8313C25: got 'ug/L'
## Warning: Expecting logical in M8314 / R8314C13: got '96-18-4'
## Warning: Expecting logical in W8314 / R8314C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8314 / R8314C24: got '5.0'
## Warning: Expecting logical in Y8314 / R8314C25: got 'ug/L'
## Warning: Expecting logical in M8315 / R8315C13: got '57-12-5'
## Warning: Expecting logical in W8315 / R8315C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8315 / R8315C24: got '0.02'
## Warning: Expecting logical in Y8315 / R8315C25: got 'mg/L'
## Warning: Expecting logical in M8317 / R8317C13: got '7440-39-3'
## Warning: Expecting logical in M8318 / R8318C13: got '75-71-8'
## Warning: Expecting logical in W8318 / R8318C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8318 / R8318C24: got '5.0'
## Warning: Expecting logical in Y8318 / R8318C25: got 'ug/L'
## Warning: Expecting logical in M8319 / R8319C13: got '26523-64-8'
## Warning: Expecting logical in W8319 / R8319C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8319 / R8319C24: got '10'
## Warning: Expecting logical in Y8319 / R8319C25: got 'ug/L'
## Warning: Expecting logical in M8320 / R8320C13: got '594-20-7'
## Warning: Expecting logical in W8320 / R8320C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8320 / R8320C24: got '5.0'
## Warning: Expecting logical in Y8320 / R8320C25: got 'ug/L'
## Warning: Expecting logical in M8321 / R8321C13: got '106-93-4'
## Warning: Expecting logical in W8321 / R8321C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8321 / R8321C24: got '5.0'
## Warning: Expecting logical in Y8321 / R8321C25: got 'ug/L'
## Warning: Expecting logical in M8322 / R8322C13: got '106-43-4'
## Warning: Expecting logical in W8322 / R8322C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8322 / R8322C24: got '5.0'
## Warning: Expecting logical in Y8322 / R8322C25: got 'ug/L'
## Warning: Expecting logical in M8323 / R8323C13: got '96-12-8'
## Warning: Expecting logical in W8323 / R8323C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8323 / R8323C24: got '5.0'
## Warning: Expecting logical in Y8323 / R8323C25: got 'ug/L'
## Warning: Expecting logical in M8324 / R8324C13: got '7440-36-0'
## Warning: Expecting logical in W8324 / R8324C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8324 / R8324C24: got '5'
## Warning: Expecting logical in Y8324 / R8324C25: got 'ug/L'
## Warning: Expecting logical in M8325 / R8325C13: got '135-98-8'
## Warning: Expecting logical in W8325 / R8325C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8325 / R8325C24: got '5.0'
## Warning: Expecting logical in Y8325 / R8325C25: got 'ug/L'
## Warning: Expecting logical in M8326 / R8326C13: got '107-06-2'
## Warning: Expecting logical in W8326 / R8326C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8326 / R8326C24: got '5.0'
## Warning: Expecting logical in Y8326 / R8326C25: got 'ug/L'
## Warning: Expecting logical in M8327 / R8327C13: got '1634-04-4'
## Warning: Expecting logical in W8327 / R8327C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8327 / R8327C24: got '5.0'
## Warning: Expecting logical in Y8327 / R8327C25: got 'ug/L'
## Warning: Expecting logical in M8328 / R8328C13: got '75-69-4'
## Warning: Expecting logical in W8328 / R8328C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8328 / R8328C24: got '5.0'
## Warning: Expecting logical in Y8328 / R8328C25: got 'ug/L'
## Warning: Expecting logical in M8329 / R8329C13: got '7440-31-5'
## Warning: Expecting logical in W8329 / R8329C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8329 / R8329C24: got '30'
## Warning: Expecting logical in Y8329 / R8329C25: got 'ug/L'
## Warning: Expecting logical in M8330 / R8330C13: got '7440-38-2'
## Warning: Expecting logical in W8330 / R8330C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8330 / R8330C24: got '5'
## Warning: Expecting logical in Y8330 / R8330C25: got 'ug/L'
## Warning: Expecting logical in M8331 / R8331C13: got '106-46-7'
## Warning: Expecting logical in W8331 / R8331C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8331 / R8331C24: got '5.0'
## Warning: Expecting logical in Y8331 / R8331C25: got 'ug/L'
## Warning: Expecting logical in M8332 / R8332C13: got '127-18-4'
## Warning: Expecting logical in W8332 / R8332C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8332 / R8332C24: got '5.0'
## Warning: Expecting logical in Y8332 / R8332C25: got 'ug/L'
## Warning: Expecting logical in M8333 / R8333C13: got '75-09-2'
## Warning: Expecting logical in W8333 / R8333C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8333 / R8333C24: got '5.0'
## Warning: Expecting logical in Y8333 / R8333C25: got 'ug/L'
## Warning: Expecting logical in M8334 / R8334C13: got '142-28-9'
## Warning: Expecting logical in W8334 / R8334C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8334 / R8334C24: got '5.0'
## Warning: Expecting logical in Y8334 / R8334C25: got 'ug/L'
## Warning: Expecting logical in M8335 / R8335C13: got '7440-66-6'
## Warning: Expecting logical in W8335 / R8335C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8335 / R8335C24: got '10'
## Warning: Expecting logical in Y8335 / R8335C25: got 'ug/L'
## Warning: Expecting logical in M8336 / R8336C13: got '71-55-6'
## Warning: Expecting logical in W8336 / R8336C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8336 / R8336C24: got '5.0'
## Warning: Expecting logical in Y8336 / R8336C25: got 'ug/L'
## Warning: Expecting logical in M8337 / R8337C13: got '74-83-9'
## Warning: Expecting logical in W8337 / R8337C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8337 / R8337C24: got '10'
## Warning: Expecting logical in Y8337 / R8337C25: got 'ug/L'
## Warning: Expecting logical in M8338 / R8338C13: got '95-49-8'
## Warning: Expecting logical in W8338 / R8338C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8338 / R8338C24: got '5.0'
## Warning: Expecting logical in Y8338 / R8338C25: got 'ug/L'
## Warning: Expecting logical in M8339 / R8339C13: got '108-05-4'
## Warning: Expecting logical in W8339 / R8339C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8339 / R8339C24: got '50'
## Warning: Expecting logical in Y8339 / R8339C25: got 'ug/L'
## Warning: Expecting logical in M8340 / R8340C13: got '7440-48-4'
## Warning: Expecting logical in W8340 / R8340C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8340 / R8340C24: got '10'
## Warning: Expecting logical in Y8340 / R8340C25: got 'ug/L'
## Warning: Expecting logical in M8341 / R8341C13: got '7440-47-3'
## Warning: Expecting logical in W8341 / R8341C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8341 / R8341C24: got '5'
## Warning: Expecting logical in Y8341 / R8341C25: got 'ug/L'
## Warning: Expecting logical in M8342 / R8342C13: got '75-27-4'
## Warning: Expecting logical in W8342 / R8342C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8342 / R8342C24: got '5.0'
## Warning: Expecting logical in Y8342 / R8342C25: got 'ug/L'
## Warning: Expecting logical in M8343 / R8343C13: got '124-48-1'
## Warning: Expecting logical in W8343 / R8343C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8343 / R8343C24: got '5.0'
## Warning: Expecting logical in Y8343 / R8343C25: got 'ug/L'
## Warning: Expecting logical in M8344 / R8344C13: got '108-86-1'
## Warning: Expecting logical in W8344 / R8344C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8344 / R8344C24: got '5.0'
## Warning: Expecting logical in Y8344 / R8344C25: got 'ug/L'
## Warning: Expecting logical in M8345 / R8345C13: got '79-34-5'
## Warning: Expecting logical in W8345 / R8345C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8345 / R8345C24: got '5.0'
## Warning: Expecting logical in Y8345 / R8345C25: got 'ug/L'
## Warning: Expecting logical in M8346 / R8346C13: got '98-06-6'
## Warning: Expecting logical in W8346 / R8346C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8346 / R8346C24: got '5.0'
## Warning: Expecting logical in Y8346 / R8346C25: got 'ug/L'
## Warning: Expecting logical in M8347 / R8347C13: got '91-20-3'
## Warning: Expecting logical in W8347 / R8347C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8347 / R8347C24: got '5.0'
## Warning: Expecting logical in Y8347 / R8347C25: got 'ug/L'
## Warning: Expecting logical in M8348 / R8348C13: got '100-41-4'
## Warning: Expecting logical in W8348 / R8348C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8348 / R8348C24: got '5.0'
## Warning: Expecting logical in Y8348 / R8348C25: got 'ug/L'
## Warning: Expecting logical in M8349 / R8349C13: got '78-87-5'
## Warning: Expecting logical in W8349 / R8349C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8349 / R8349C24: got '5.0'
## Warning: Expecting logical in Y8349 / R8349C25: got 'ug/L'
## Warning: Expecting logical in M8350 / R8350C13: got '7440-32-6'
## Warning: Expecting logical in W8350 / R8350C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8350 / R8350C24: got '10'
## Warning: Expecting logical in Y8350 / R8350C25: got 'ug/L'
## Warning: Expecting logical in R8352 / R8352C18: got 'as N'
## Warning: Expecting logical in M8356 / R8356C13: got '7440-47-3'
## Warning: Expecting logical in W8356 / R8356C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8356 / R8356C24: got '20'
## Warning: Expecting logical in Y8356 / R8356C25: got 'ug/L'
## Warning: Expecting logical in M8357 / R8357C13: got '7440-36-0'
## Warning: Expecting logical in W8357 / R8357C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8357 / R8357C24: got '120'
## Warning: Expecting logical in Y8357 / R8357C25: got 'ug/L'
## Warning: Expecting logical in M8358 / R8358C13: got '91-20-3'
## Warning: Expecting logical in W8358 / R8358C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8358 / R8358C24: got '5.0'
## Warning: Expecting logical in Y8358 / R8358C25: got 'ug/L'
## Warning: Expecting logical in M8359 / R8359C13: got '1330-20-7'
## Warning: Expecting logical in W8359 / R8359C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8359 / R8359C24: got '5.0'
## Warning: Expecting logical in Y8359 / R8359C25: got 'ug/L'
## Warning: Expecting logical in M8360 / R8360C13: got '124-48-1'
```

```
## Warning: Expecting logical in W8360 / R8360C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8360 / R8360C24: got '5.0'
## Warning: Expecting logical in Y8360 / R8360C25: got 'ug/L'
## Warning: Expecting logical in M8361 / R8361C13: got '7440-62-2'
## Warning: Expecting logical in W8361 / R8361C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8361 / R8361C24: got '10'
## Warning: Expecting logical in Y8361 / R8361C25: got 'ug/L'
## Warning: Expecting logical in M8362 / R8362C13: got '7440-02-0'
## Warning: Expecting logical in W8362 / R8362C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8362 / R8362C24: got '20'
## Warning: Expecting logical in Y8362 / R8362C25: got 'ug/L'
## Warning: Expecting logical in M8363 / R8363C13: got '7439-92-1'
## Warning: Expecting logical in W8363 / R8363C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8363 / R8363C24: got '90'
## Warning: Expecting logical in Y8363 / R8363C25: got 'ug/L'
## Warning: Expecting logical in M8364 / R8364C13: got '98-82-8'
## Warning: Expecting logical in W8364 / R8364C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8364 / R8364C24: got '5.0'
## Warning: Expecting logical in Y8364 / R8364C25: got 'ug/L'
## Warning: Expecting logical in M8365 / R8365C13: got '106-93-4'
## Warning: Expecting logical in W8365 / R8365C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8365 / R8365C24: got '5.0'
## Warning: Expecting logical in Y8365 / R8365C25: got 'ug/L'
## Warning: Expecting logical in M8366 / R8366C13: got '75-69-4'
```

```
## Warning: Expecting logical in W8366 / R8366C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8366 / R8366C24: got '5.0'
## Warning: Expecting logical in Y8366 / R8366C25: got 'ug/L'
## Warning: Expecting logical in M8367 / R8367C13: got '74-83-9'
## Warning: Expecting logical in W8367 / R8367C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8367 / R8367C24: got '5.0'
## Warning: Expecting logical in Y8367 / R8367C25: got 'ug/L'
## Warning: Expecting logical in M8368 / R8368C13: got '1634-04-4'
## Warning: Expecting logical in W8368 / R8368C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8368 / R8368C24: got '5.0'
## Warning: Expecting logical in Y8368 / R8368C25: got 'ug/L'
## Warning: Expecting logical in M8369 / R8369C13: got '79-34-5'
## Warning: Expecting logical in W8369 / R8369C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8369 / R8369C24: got '5.0'
## Warning: Expecting logical in Y8369 / R8369C25: got 'ug/L'
## Warning: Expecting logical in M8370 / R8370C13: got '100-41-4'
## Warning: Expecting logical in W8370 / R8370C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8370 / R8370C24: got '5.0'
## Warning: Expecting logical in Y8370 / R8370C25: got 'ug/L'
## Warning: Expecting logical in M8371 / R8371C13: got '630-20-6'
## Warning: Expecting logical in W8371 / R8371C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8371 / R8371C24: got '5.0'
## Warning: Expecting logical in Y8371 / R8371C25: got 'ug/L'
## Warning: Expecting logical in M8372 / R8372C13: got '56-23-5'
```

```
## Warning: Expecting logical in W8372 / R8372C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8372 / R8372C24: got '5.0'
## Warning: Expecting logical in Y8372 / R8372C25: got 'ug/L'
## Warning: Expecting logical in M8373 / R8373C13: got '563-58-6'
## Warning: Expecting logical in W8373 / R8373C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8373 / R8373C24: got '5.0'
## Warning: Expecting logical in Y8373 / R8373C25: got 'ug/L'
## Warning: Expecting logical in M8374 / R8374C13: got '98-06-6'
## Warning: Expecting logical in W8374 / R8374C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8374 / R8374C24: got '5.0'
## Warning: Expecting logical in Y8374 / R8374C25: got 'ug/L'
## Warning: Expecting logical in M8375 / R8375C13: got '75-34-3'
## Warning: Expecting logical in W8375 / R8375C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8375 / R8375C24: got '5.0'
## Warning: Expecting logical in Y8375 / R8375C25: got 'ug/L'
## Warning: Expecting logical in M8376 / R8376C13: got '7429-90-5'
## Warning: Expecting logical in W8376 / R8376C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8376 / R8376C24: got '100'
## Warning: Expecting logical in Y8376 / R8376C25: got 'ug/L'
## Warning: Expecting logical in M8377 / R8377C13: got '7440-47-3'
## Warning: Expecting logical in W8377 / R8377C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8377 / R8377C24: got '10'
## Warning: Expecting logical in Y8377 / R8377C25: got 'ug/L'
## Warning: Expecting logical in M8378 / R8378C13: got '7782-49-2'
```

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## Warning: Expecting logical in W8378 / R8378C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8378 / R8378C24: got '10'
## Warning: Expecting logical in Y8378 / R8378C25: got 'ug/L'
## Warning: Expecting logical in M8379 / R8379C13: got '7440-43-9'
## Warning: Expecting logical in W8379 / R8379C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8379 / R8379C24: got '10'
## Warning: Expecting logical in Y8379 / R8379C25: got 'ug/L'
## Warning: Expecting logical in M8380 / R8380C13: got '7782-49-2'
## Warning: Expecting logical in W8380 / R8380C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8380 / R8380C24: got '190'
## Warning: Expecting logical in Y8380 / R8380C25: got 'ug/L'
## Warning: Expecting logical in M8381 / R8381C13: got '7440-43-9'
## Warning: Expecting logical in W8381 / R8381C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8381 / R8381C24: got '1.4'
## Warning: Expecting logical in Y8381 / R8381C25: got 'ug/L'
## Warning: Expecting logical in M8382 / R8382C13: got '7440-02-0'
## Warning: Expecting logical in W8382 / R8382C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8382 / R8382C24: got '20'
## Warning: Expecting logical in Y8382 / R8382C25: got 'ug/L'
## Warning: Expecting logical in M8383 / R8383C13: got '7440-28-0'
## Warning: Expecting logical in W8383 / R8383C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8383 / R8383C24: got '2.0'
## Warning: Expecting logical in Y8383 / R8383C25: got 'ug/L'
## Warning: Expecting logical in M8384 / R8384C13: got '74-87-3'
```

```
## Warning: Expecting logical in W8384 / R8384C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8384 / R8384C24: got '5.0'
## Warning: Expecting logical in Y8384 / R8384C25: got 'ug/L'
## Warning: Expecting logical in M8385 / R8385C13: got '95-50-1'
## Warning: Expecting logical in W8385 / R8385C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8385 / R8385C24: got '5.0'
## Warning: Expecting logical in Y8385 / R8385C25: got 'ug/L'
## Warning: Expecting logical in M8386 / R8386C13: got '120-82-1'
## Warning: Expecting logical in W8386 / R8386C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8386 / R8386C24: got '5.0'
## Warning: Expecting logical in Y8386 / R8386C25: got 'ug/L'
## Warning: Expecting logical in M8387 / R8387C13: got '7440-66-6'
## Warning: Expecting logical in W8387 / R8387C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8387 / R8387C24: got '20'
## Warning: Expecting logical in Y8387 / R8387C25: got 'ug/L'
## Warning: Expecting logical in M8388 / R8388C13: got '7440-22-4'
## Warning: Expecting logical in W8388 / R8388C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8388 / R8388C24: got '10'
## Warning: Expecting logical in Y8388 / R8388C25: got 'ug/L'
## Warning: Expecting logical in M8389 / R8389C13: got '7439-95-4'
## Warning: Expecting logical in M8390 / R8390C13: got '87-68-3'
## Warning: Expecting logical in W8390 / R8390C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8390 / R8390C24: got '5.0'
## Warning: Expecting logical in Y8390 / R8390C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8391 / R8391C13: got '106-46-7'
## Warning: Expecting logical in W8391 / R8391C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8391 / R8391C24: got '5.0'
## Warning: Expecting logical in Y8391 / R8391C25: got 'ug/L'
## Warning: Expecting logical in M8392 / R8392C13: got '10061-02-6'
## Warning: Expecting logical in W8392 / R8392C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8392 / R8392C24: got '5.0'
## Warning: Expecting logical in Y8392 / R8392C25: got 'ug/L'
## Warning: Expecting logical in M8393 / R8393C13: got '78-87-5'
## Warning: Expecting logical in W8393 / R8393C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8393 / R8393C24: got '5.0'
## Warning: Expecting logical in Y8393 / R8393C25: got 'ug/L'
## Warning: Expecting logical in M8394 / R8394C13: got '75-71-8'
## Warning: Expecting logical in W8394 / R8394C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8394 / R8394C24: got '5.0'
## Warning: Expecting logical in Y8394 / R8394C25: got 'ug/L'
## Warning: Expecting logical in M8395 / R8395C13: got '7439-92-1'
## Warning: Expecting logical in W8395 / R8395C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8395 / R8395C24: got '2.0'
## Warning: Expecting logical in Y8395 / R8395C25: got 'ug/L'
## Warning: Expecting logical in M8396 / R8396C13: got '7440-31-5'
## Warning: Expecting logical in W8396 / R8396C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8396 / R8396C24: got '60'
## Warning: Expecting logical in Y8396 / R8396C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8397 / R8397C13: got '156-60-5'
## Warning: Expecting logical in W8397 / R8397C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8397 / R8397C24: got '5.0'
## Warning: Expecting logical in Y8397 / R8397C25: got 'ug/L'
## Warning: Expecting logical in M8398 / R8398C13: got '67-66-3'
## Warning: Expecting logical in W8398 / R8398C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8398 / R8398C24: got '5.0'
## Warning: Expecting logical in Y8398 / R8398C25: got 'ug/L'
## Warning: Expecting logical in M8399 / R8399C13: got '7440-41-7'
## Warning: Expecting logical in W8399 / R8399C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8399 / R8399C24: got '10'
## Warning: Expecting logical in Y8399 / R8399C25: got 'ug/L'
## Warning: Expecting logical in M8400 / R8400C13: got '7429-90-5'
## Warning: Expecting logical in W8400 / R8400C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8400 / R8400C24: got '100'
## Warning: Expecting logical in Y8400 / R8400C25: got 'ug/L'
## Warning: Expecting logical in R8401 / R8401C18: got 'as N'
## Warning: Expecting logical in W8401 / R8401C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8401 / R8401C24: got '0.02'
## Warning: Expecting logical in Y8401 / R8401C25: got 'mg/L'
## Warning: Expecting logical in M8402 / R8402C13: got '7439-98-7'
## Warning: Expecting logical in W8402 / R8402C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8402 / R8402C24: got '10'
## Warning: Expecting logical in Y8402 / R8402C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8403 / R8403C13: got '7439-96-5'
## Warning: Expecting logical in M8404 / R8404C13: got '7440-50-8'
## Warning: Expecting logical in W8404 / R8404C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8404 / R8404C24: got '20'
## Warning: Expecting logical in Y8404 / R8404C25: got 'ug/L'
## Warning: Expecting logical in M8405 / R8405C13: got '108-86-1'
## Warning: Expecting logical in W8405 / R8405C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8405 / R8405C24: got '5.0'
## Warning: Expecting logical in Y8405 / R8405C25: got 'ug/L'
## Warning: Expecting logical in M8406 / R8406C13: got '10061-01-5'
## Warning: Expecting logical in W8406 / R8406C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8406 / R8406C24: got '5.0'
## Warning: Expecting logical in Y8406 / R8406C25: got 'ug/L'
## Warning: Expecting logical in M8407 / R8407C13: got '104-51-8'
## Warning: Expecting logical in W8407 / R8407C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8407 / R8407C24: got '5.0'
## Warning: Expecting logical in Y8407 / R8407C25: got 'ug/L'
## Warning: Expecting logical in M8408 / R8408C13: got '103-65-1'
## Warning: Expecting logical in W8408 / R8408C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8408 / R8408C24: got '5.0'
## Warning: Expecting logical in Y8408 / R8408C25: got 'ug/L'
## Warning: Expecting logical in M8409 / R8409C13: got '79-00-5'
## Warning: Expecting logical in W8409 / R8409C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8409 / R8409C24: got '5.0'
```

```
## Warning: Expecting logical in Y8409 / R8409C25: got 'ug/L'
## Warning: Expecting logical in M8410 / R8410C13: got '108-88-3'
## Warning: Expecting logical in W8410 / R8410C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8410 / R8410C24: got '5.0'
## Warning: Expecting logical in Y8410 / R8410C25: got 'ug/L'
## Warning: Expecting logical in M8411 / R8411C13: got '7440-66-6'
## Warning: Expecting logical in W8411 / R8411C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8411 / R8411C24: got '20'
## Warning: Expecting logical in Y8411 / R8411C25: got 'ug/L'
## Warning: Expecting logical in M8412 / R8412C13: got '99-87-6'
## Warning: Expecting logical in W8412 / R8412C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8412 / R8412C24: got '5.0'
## Warning: Expecting logical in Y8412 / R8412C25: got 'ug/L'
## Warning: Expecting logical in M8413 / R8413C13: got '108-90-7'
## Warning: Expecting logical in W8413 / R8413C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8413 / R8413C24: got '5.0'
## Warning: Expecting logical in Y8413 / R8413C25: got 'ug/L'
## Warning: Expecting logical in M8414 / R8414C13: got '75-27-4'
## Warning: Expecting logical in W8414 / R8414C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8414 / R8414C24: got '5.0'
## Warning: Expecting logical in Y8414 / R8414C25: got 'ug/L'
## Warning: Expecting logical in M8415 / R8415C13: got '108-67-8'
## Warning: Expecting logical in W8415 / R8415C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8415 / R8415C24: got '5.0'
```

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## Warning: Expecting logical in Y8415 / R8415C25: got 'ug/L'
## Warning: Expecting logical in M8416 / R8416C13: got '75-25-2'
## Warning: Expecting logical in W8416 / R8416C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8416 / R8416C24: got '5.0'
## Warning: Expecting logical in Y8416 / R8416C25: got 'ug/L'
## Warning: Expecting logical in M8417 / R8417C13: got '79-01-6'
## Warning: Expecting logical in W8417 / R8417C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8417 / R8417C24: got '5.0'
## Warning: Expecting logical in Y8417 / R8417C25: got 'ug/L'
## Warning: Expecting logical in M8418 / R8418C13: got '107-06-2'
## Warning: Expecting logical in W8418 / R8418C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8418 / R8418C24: got '5.0'
## Warning: Expecting logical in Y8418 / R8418C25: got 'ug/L'
## Warning: Expecting logical in M8419 / R8419C13: got '541-73-1'
## Warning: Expecting logical in W8419 / R8419C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8419 / R8419C24: got '5.0'
## Warning: Expecting logical in Y8419 / R8419C25: got 'ug/L'
## Warning: Expecting logical in M8420 / R8420C13: got '96-12-8'
## Warning: Expecting logical in W8420 / R8420C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8420 / R8420C24: got '5.0'
## Warning: Expecting logical in Y8420 / R8420C25: got 'ug/L'
## Warning: Expecting logical in M8421 / R8421C13: got '7440-32-6'
## Warning: Expecting logical in W8421 / R8421C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8421 / R8421C24: got '10'
```

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## Warning: Expecting logical in Y8421 / R8421C25: got 'ug/L'
## Warning: Expecting logical in M8422 / R8422C13: got '95-49-8'
## Warning: Expecting logical in W8422 / R8422C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8422 / R8422C24: got '5.0'
## Warning: Expecting logical in Y8422 / R8422C25: got 'ug/L'
## Warning: Expecting logical in M8423 / R8423C13: got '7440-38-2'
## Warning: Expecting logical in W8423 / R8423C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8423 / R8423C24: got '10'
## Warning: Expecting logical in Y8423 / R8423C25: got 'ug/L'
## Warning: Expecting logical in M8424 / R8424C13: got '7440-50-8'
## Warning: Expecting logical in W8424 / R8424C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8424 / R8424C24: got '10'
## Warning: Expecting logical in Y8424 / R8424C25: got 'ug/L'
## Warning: Expecting logical in M8425 / R8425C13: got '7439-89-6'
## Warning: Expecting logical in W8425 / R8425C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8425 / R8425C24: got '20'
## Warning: Expecting logical in Y8425 / R8425C25: got 'ug/L'
## Warning: Expecting logical in M8426 / R8426C13: got '7440-09-7'
## Warning: Expecting logical in W8426 / R8426C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8426 / R8426C24: got '5000'
## Warning: Expecting logical in Y8426 / R8426C25: got 'ug/L'
## Warning: Expecting logical in M8427 / R8427C13: got '75-01-4'
## Warning: Expecting logical in W8427 / R8427C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8427 / R8427C24: got '5.0'
```

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## Warning: Expecting logical in Y8427 / R8427C25: got 'ug/L'
## Warning: Expecting logical in M8428 / R8428C13: got '156-59-2'
## Warning: Expecting logical in W8428 / R8428C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8428 / R8428C24: got '5.0'
## Warning: Expecting logical in Y8428 / R8428C25: got 'ug/L'
## Warning: Expecting logical in M8429 / R8429C13: got '100-42-5'
## Warning: Expecting logical in W8429 / R8429C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8429 / R8429C24: got '5.0'
## Warning: Expecting logical in Y8429 / R8429C25: got 'ug/L'
## Warning: Expecting logical in M8430 / R8430C13: got '7440-22-4'
## Warning: Expecting logical in W8430 / R8430C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8430 / R8430C24: got '10'
## Warning: Expecting logical in Y8430 / R8430C25: got 'ug/L'
## Warning: Expecting logical in M8431 / R8431C13: got '7440-48-4'
## Warning: Expecting logical in W8431 / R8431C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8431 / R8431C24: got '10'
## Warning: Expecting logical in Y8431 / R8431C25: got 'ug/L'
## Warning: Expecting logical in M8432 / R8432C13: got '7440-39-3'
## Warning: Expecting logical in W8432 / R8432C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8432 / R8432C24: got '4.0'
## Warning: Expecting logical in Y8432 / R8432C25: got 'ug/L'
## Warning: Expecting logical in M8433 / R8433C13: got '7440-36-0'
## Warning: Expecting logical in W8433 / R8433C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8433 / R8433C24: got '10'
```

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## Warning: Expecting logical in Y8433 / R8433C25: got 'ug/L'
## Warning: Expecting logical in M8434 / R8434C13: got '7440-39-3'
## Warning: Expecting logical in W8434 / R8434C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8434 / R8434C24: got '10'
## Warning: Expecting logical in Y8434 / R8434C25: got 'ug/L'
## Warning: Expecting logical in M8435 / R8435C13: got '7440-38-2'
## Warning: Expecting logical in W8435 / R8435C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8435 / R8435C24: got '80'
## Warning: Expecting logical in Y8435 / R8435C25: got 'ug/L'
## Warning: Expecting logical in M8436 / R8436C13: got '142-28-9'
## Warning: Expecting logical in W8436 / R8436C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8436 / R8436C24: got '5.0'
## Warning: Expecting logical in Y8436 / R8436C25: got 'ug/L'
## Warning: Expecting logical in M8437 / R8437C13: got '127-18-4'
## Warning: Expecting logical in W8437 / R8437C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8437 / R8437C24: got '5.0'
## Warning: Expecting logical in Y8437 / R8437C25: got 'ug/L'
## Warning: Expecting logical in M8438 / R8438C13: got '71-43-2'
## Warning: Expecting logical in W8438 / R8438C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8438 / R8438C24: got '5.0'
## Warning: Expecting logical in Y8438 / R8438C25: got 'ug/L'
## Warning: Expecting logical in M8439 / R8439C13: got '74-97-5'
## Warning: Expecting logical in W8439 / R8439C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8439 / R8439C24: got '5.0'
```

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## Warning: Expecting logical in Y8439 / R8439C25: got 'ug/L'
## Warning: Expecting logical in M8440 / R8440C13: got '594-20-7'
## Warning: Expecting logical in W8440 / R8440C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8440 / R8440C24: got '5.0'
## Warning: Expecting logical in Y8440 / R8440C25: got 'ug/L'
## Warning: Expecting logical in M8441 / R8441C13: got '75-00-3'
## Warning: Expecting logical in W8441 / R8441C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8441 / R8441C24: got '5.0'
## Warning: Expecting logical in Y8441 / R8441C25: got 'ug/L'
## Warning: Expecting logical in M8442 / R8442C13: got '7440-28-0'
## Warning: Expecting logical in W8442 / R8442C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8442 / R8442C24: got '200'
## Warning: Expecting logical in Y8442 / R8442C25: got 'ug/L'
## Warning: Expecting logical in M8443 / R8443C13: got '75-35-4'
## Warning: Expecting logical in W8443 / R8443C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8443 / R8443C24: got '5.0'
## Warning: Expecting logical in Y8443 / R8443C25: got 'ug/L'
## Warning: Expecting logical in M8444 / R8444C13: got '75-09-2'
## Warning: Expecting logical in W8444 / R8444C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8444 / R8444C24: got '5.0'
## Warning: Expecting logical in Y8444 / R8444C25: got 'ug/L'
## Warning: Expecting logical in M8445 / R8445C13: got '71-55-6'
## Warning: Expecting logical in W8445 / R8445C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8445 / R8445C24: got '5.0'
```

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## Warning: Expecting logical in Y8445 / R8445C25: got 'ug/L'
## Warning: Expecting logical in M8446 / R8446C13: got '25735-29-9'
## Warning: Expecting logical in W8446 / R8446C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8446 / R8446C24: got '5.0'
## Warning: Expecting logical in Y8446 / R8446C25: got 'ug/L'
## Warning: Expecting logical in M8447 / R8447C13: got '87-61-6'
## Warning: Expecting logical in W8447 / R8447C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8447 / R8447C24: got '5.0'
## Warning: Expecting logical in Y8447 / R8447C25: got 'ug/L'
## Warning: Expecting logical in M8448 / R8448C13: got '14808-79-8'
## Warning: Expecting logical in M8449 / R8449C13: got '16887-00-6'
## Warning: Expecting logical in W8449 / R8449C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8449 / R8449C24: got '10'
## Warning: Expecting logical in Y8449 / R8449C25: got 'mg/L'
## Warning: Expecting logical in M8450 / R8450C13: got '7440-61-1'
## Warning: Expecting logical in W8450 / R8450C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8450 / R8450C24: got '2.0'
## Warning: Expecting logical in Y8450 / R8450C25: got 'ug/L'
## Warning: Expecting logical in M8451 / R8451C13: got '16984-48-8'
## Warning: Expecting logical in M8452 / R8452C13: got '7440-70-2'
## Warning: Expecting logical in M8453 / R8453C13: got '7440-23-5'
## Warning: Expecting logical in M8454 / R8454C13: got '106-43-4'
## Warning: Expecting logical in W8454 / R8454C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8454 / R8454C24: got '5.0'
```

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## Warning: Expecting logical in Y8454 / R8454C25: got 'ug/L'
## Warning: Expecting logical in M8455 / R8455C13: got '7723-14-0'
## Warning: Expecting logical in R8455 / R8455C18: got 'as P'
## Warning: Expecting logical in W8455 / R8455C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8455 / R8455C24: got '0.02'
## Warning: Expecting logical in Y8455 / R8455C25: got 'mg/L'
## Warning: Expecting logical in M8456 / R8456C13: got '135-98-8'
## Warning: Expecting logical in W8456 / R8456C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8456 / R8456C24: got '5.0'
## Warning: Expecting logical in Y8456 / R8456C25: got 'ug/L'
## Warning: Expecting logical in M8457 / R8457C13: got '95-63-6'
## Warning: Expecting logical in W8457 / R8457C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8457 / R8457C24: got '5.0'
## Warning: Expecting logical in Y8457 / R8457C25: got 'ug/L'
## Warning: Expecting logical in M8458 / R8458C13: got '74-95-3'
## Warning: Expecting logical in W8458 / R8458C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8458 / R8458C24: got '5.0'
## Warning: Expecting logical in Y8458 / R8458C25: got 'ug/L'
## Warning: Expecting logical in M8459 / R8459C13: got '142-28-9'
## Warning: Expecting logical in W8459 / R8459C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8459 / R8459C24: got '5.0'
## Warning: Expecting logical in Y8459 / R8459C25: got 'ug/L'
## Warning: Expecting logical in M8460 / R8460C13: got '95-63-6'
## Warning: Expecting logical in W8460 / R8460C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8460 / R8460C24: got '5.0'
## Warning: Expecting logical in Y8460 / R8460C25: got 'ug/L'
## Warning: Expecting logical in M8461 / R8461C13: got '96-12-8'
## Warning: Expecting logical in W8461 / R8461C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8461 / R8461C24: got '5.0'
## Warning: Expecting logical in Y8461 / R8461C25: got 'ug/L'
## Warning: Expecting logical in M8462 / R8462C13: got '7440-02-0'
## Warning: Expecting logical in W8462 / R8462C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8462 / R8462C24: got '20'
## Warning: Expecting logical in Y8462 / R8462C25: got 'ug/L'
## Warning: Expecting logical in M8463 / R8463C13: got '7440-28-0'
## Warning: Expecting logical in W8463 / R8463C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8463 / R8463C24: got '200'
## Warning: Expecting logical in Y8463 / R8463C25: got 'ug/L'
## Warning: Expecting logical in M8464 / R8464C13: got '7440-09-7'
## Warning: Expecting logical in W8464 / R8464C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8464 / R8464C24: got '5000'
## Warning: Expecting logical in Y8464 / R8464C25: got 'ug/L'
## Warning: Expecting logical in M8465 / R8465C13: got '7440-61-1'
## Warning: Expecting logical in M8466 / R8466C13: got '594-20-7'
## Warning: Expecting logical in W8466 / R8466C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8466 / R8466C24: got '5.0'
## Warning: Expecting logical in Y8466 / R8466C25: got 'ug/L'
## Warning: Expecting logical in M8467 / R8467C13: got '563-58-6'
```

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## Warning: Expecting logical in W8467 / R8467C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8467 / R8467C24: got '5.0'
## Warning: Expecting logical in Y8467 / R8467C25: got 'ug/L'
## Warning: Expecting logical in M8468 / R8468C13: got '7439-89-6'
## Warning: Expecting logical in W8468 / R8468C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8468 / R8468C24: got '20'
## Warning: Expecting logical in Y8468 / R8468C25: got 'ug/L'
## Warning: Expecting logical in M8469 / R8469C13: got '7440-48-4'
## Warning: Expecting logical in W8469 / R8469C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8469 / R8469C24: got '10'
## Warning: Expecting logical in Y8469 / R8469C25: got 'ug/L'
## Warning: Expecting logical in M8470 / R8470C13: got '7440-38-2'
## Warning: Expecting logical in W8470 / R8470C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8470 / R8470C24: got '80'
## Warning: Expecting logical in Y8470 / R8470C25: got 'ug/L'
## Warning: Expecting logical in M8471 / R8471C13: got '1330-20-7'
## Warning: Expecting logical in W8471 / R8471C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8471 / R8471C24: got '5.0'
## Warning: Expecting logical in Y8471 / R8471C25: got 'ug/L'
## Warning: Expecting logical in M8472 / R8472C13: got '79-01-6'
## Warning: Expecting logical in W8472 / R8472C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8472 / R8472C24: got '5.0'
## Warning: Expecting logical in Y8472 / R8472C25: got 'ug/L'
## Warning: Expecting logical in M8473 / R8473C13: got '71-43-2'
```

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## Warning: Expecting logical in W8473 / R8473C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8473 / R8473C24: got '5.0'
## Warning: Expecting logical in Y8473 / R8473C25: got 'ug/L'
## Warning: Expecting logical in M8474 / R8474C13: got '78-87-5'
## Warning: Expecting logical in W8474 / R8474C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8474 / R8474C24: got '5.0'
## Warning: Expecting logical in Y8474 / R8474C25: got 'ug/L'
## Warning: Expecting logical in M8475 / R8475C13: got '98-82-8'
## Warning: Expecting logical in W8475 / R8475C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8475 / R8475C24: got '5.0'
## Warning: Expecting logical in Y8475 / R8475C25: got 'ug/L'
## Warning: Expecting logical in M8476 / R8476C13: got '127-18-4'
## Warning: Expecting logical in W8476 / R8476C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8476 / R8476C24: got '5.0'
## Warning: Expecting logical in Y8476 / R8476C25: got 'ug/L'
## Warning: Expecting logical in M8477 / R8477C13: got '95-49-8'
## Warning: Expecting logical in W8477 / R8477C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8477 / R8477C24: got '5.0'
## Warning: Expecting logical in Y8477 / R8477C25: got 'ug/L'
## Warning: Expecting logical in M8478 / R8478C13: got '7440-23-5'
## Warning: Expecting logical in M8479 / R8479C13: got '7440-70-2'
## Warning: Expecting logical in M8480 / R8480C13: got '7440-39-3'
## Warning: Expecting logical in M8481 / R8481C13: got '7440-36-0'
## Warning: Expecting logical in W8481 / R8481C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8481 / R8481C24: got '5'
## Warning: Expecting logical in Y8481 / R8481C25: got 'ug/L'
## Warning: Expecting logical in M8482 / R8482C13: got '7440-47-3'
## Warning: Expecting logical in W8482 / R8482C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8482 / R8482C24: got '20'
## Warning: Expecting logical in Y8482 / R8482C25: got 'ug/L'
## Warning: Expecting logical in M8483 / R8483C13: got '100-41-4'
## Warning: Expecting logical in W8483 / R8483C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8483 / R8483C24: got '5.0'
## Warning: Expecting logical in Y8483 / R8483C25: got 'ug/L'
## Warning: Expecting logical in M8484 / R8484C13: got '56-23-5'
## Warning: Expecting logical in W8484 / R8484C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8484 / R8484C24: got '5.0'
## Warning: Expecting logical in Y8484 / R8484C25: got 'ug/L'
## Warning: Expecting logical in M8485 / R8485C13: got '7440-47-3'
## Warning: Expecting logical in W8485 / R8485C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8485 / R8485C24: got '5'
## Warning: Expecting logical in Y8485 / R8485C25: got 'ug/L'
## Warning: Expecting logical in M8486 / R8486C13: got '7440-62-2'
## Warning: Expecting logical in W8486 / R8486C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8486 / R8486C24: got '10'
## Warning: Expecting logical in Y8486 / R8486C25: got 'ug/L'
## Warning: Expecting logical in M8487 / R8487C13: got '7440-66-6'
## Warning: Expecting logical in W8487 / R8487C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8487 / R8487C24: got '10'
## Warning: Expecting logical in Y8487 / R8487C25: got 'ug/L'
## Warning: Expecting logical in M8488 / R8488C13: got '108-67-8'
## Warning: Expecting logical in W8488 / R8488C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8488 / R8488C24: got '5.0'
## Warning: Expecting logical in Y8488 / R8488C25: got 'ug/L'
## Warning: Expecting logical in M8489 / R8489C13: got '107-06-2'
## Warning: Expecting logical in W8489 / R8489C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8489 / R8489C24: got '5.0'
## Warning: Expecting logical in Y8489 / R8489C25: got 'ug/L'
## Warning: Expecting logical in M8490 / R8490C13: got '74-83-9'
## Warning: Expecting logical in W8490 / R8490C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8490 / R8490C24: got '5.0'
## Warning: Expecting logical in Y8490 / R8490C25: got 'ug/L'
## Warning: Expecting logical in M8491 / R8491C13: got '10061-01-5'
## Warning: Expecting logical in W8491 / R8491C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8491 / R8491C24: got '5.0'
## Warning: Expecting logical in Y8491 / R8491C25: got 'ug/L'
## Warning: Expecting logical in M8492 / R8492C13: got '124-48-1'
## Warning: Expecting logical in W8492 / R8492C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8492 / R8492C24: got '5.0'
## Warning: Expecting logical in Y8492 / R8492C25: got 'ug/L'
## Warning: Expecting logical in M8493 / R8493C13: got '106-93-4'
## Warning: Expecting logical in W8493 / R8493C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8493 / R8493C24: got '5.0'
## Warning: Expecting logical in Y8493 / R8493C25: got 'ug/L'
## Warning: Expecting logical in M8494 / R8494C13: got '99-87-6'
## Warning: Expecting logical in W8494 / R8494C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8494 / R8494C24: got '5.0'
## Warning: Expecting logical in Y8494 / R8494C25: got 'ug/L'
## Warning: Expecting logical in M8495 / R8495C13: got '16984-48-8'
## Warning: Expecting logical in M8496 / R8496C13: got '7440-28-0'
## Warning: Expecting logical in W8496 / R8496C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8496 / R8496C24: got '1'
## Warning: Expecting logical in Y8496 / R8496C25: got 'ug/L'
## Warning: Expecting logical in M8497 / R8497C13: got '7440-31-5'
## Warning: Expecting logical in W8497 / R8497C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8497 / R8497C24: got '30'
## Warning: Expecting logical in Y8497 / R8497C25: got 'ug/L'
## Warning: Expecting logical in M8498 / R8498C13: got '16887-00-6'
## Warning: Expecting logical in W8498 / R8498C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8498 / R8498C24: got '10'
## Warning: Expecting logical in Y8498 / R8498C25: got 'mg/L'
## Warning: Expecting logical in R8499 / R8499C18: got 'as N'
## Warning: Expecting logical in M8500 / R8500C13: got '1634-04-4'
## Warning: Expecting logical in W8500 / R8500C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8500 / R8500C24: got '5.0'
## Warning: Expecting logical in Y8500 / R8500C25: got 'ug/L'
```

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## Warning: Expecting logical in M8501 / R8501C13: got '79-00-5'
## Warning: Expecting logical in W8501 / R8501C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8501 / R8501C24: got '5.0'
## Warning: Expecting logical in Y8501 / R8501C25: got 'ug/L'
## Warning: Expecting logical in M8502 / R8502C13: got '108-88-3'
## Warning: Expecting logical in W8502 / R8502C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8502 / R8502C24: got '5.0'
## Warning: Expecting logical in Y8502 / R8502C25: got 'ug/L'
## Warning: Expecting logical in M8503 / R8503C13: got '156-59-2'
## Warning: Expecting logical in W8503 / R8503C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8503 / R8503C24: got '5.0'
## Warning: Expecting logical in Y8503 / R8503C25: got 'ug/L'
## Warning: Expecting logical in M8504 / R8504C13: got '7439-98-7'
## Warning: Expecting logical in W8504 / R8504C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8504 / R8504C24: got '5'
## Warning: Expecting logical in Y8504 / R8504C25: got 'ug/L'
## Warning: Expecting logical in M8505 / R8505C13: got '7440-41-7'
## Warning: Expecting logical in W8505 / R8505C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8505 / R8505C24: got '10'
## Warning: Expecting logical in Y8505 / R8505C25: got 'ug/L'
## Warning: Expecting logical in M8506 / R8506C13: got '91-20-3'
## Warning: Expecting logical in W8506 / R8506C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8506 / R8506C24: got '5.0'
## Warning: Expecting logical in Y8506 / R8506C25: got 'ug/L'
```

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## Warning: Expecting logical in M8507 / R8507C13: got '87-68-3'
## Warning: Expecting logical in W8507 / R8507C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8507 / R8507C24: got '5.0'
## Warning: Expecting logical in Y8507 / R8507C25: got 'ug/L'
## Warning: Expecting logical in M8508 / R8508C13: got '79-34-5'
## Warning: Expecting logical in W8508 / R8508C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8508 / R8508C24: got '5.0'
## Warning: Expecting logical in Y8508 / R8508C25: got 'ug/L'
## Warning: Expecting logical in M8509 / R8509C13: got '75-09-2'
## Warning: Expecting logical in W8509 / R8509C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8509 / R8509C24: got '5.0'
## Warning: Expecting logical in Y8509 / R8509C25: got 'ug/L'
## Warning: Expecting logical in M8510 / R8510C13: got '74-97-5'
## Warning: Expecting logical in W8510 / R8510C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8510 / R8510C24: got '5.0'
## Warning: Expecting logical in Y8510 / R8510C25: got 'ug/L'
## Warning: Expecting logical in M8511 / R8511C13: got '10061-02-6'
## Warning: Expecting logical in W8511 / R8511C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8511 / R8511C24: got '5.0'
## Warning: Expecting logical in Y8511 / R8511C25: got 'ug/L'
## Warning: Expecting logical in M8512 / R8512C13: got '630-20-6'
## Warning: Expecting logical in W8512 / R8512C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8512 / R8512C24: got '5.0'
## Warning: Expecting logical in Y8512 / R8512C25: got 'ug/L'
```

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## Warning: Expecting logical in M8513 / R8513C13: got '98-06-6'
## Warning: Expecting logical in W8513 / R8513C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8513 / R8513C24: got '5.0'
## Warning: Expecting logical in Y8513 / R8513C25: got 'ug/L'
## Warning: Expecting logical in M8514 / R8514C13: got '135-98-8'
## Warning: Expecting logical in W8514 / R8514C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8514 / R8514C24: got '5.0'
## Warning: Expecting logical in Y8514 / R8514C25: got 'ug/L'
## Warning: Expecting logical in M8515 / R8515C13: got '95-50-1'
## Warning: Expecting logical in W8515 / R8515C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8515 / R8515C24: got '5.0'
## Warning: Expecting logical in Y8515 / R8515C25: got 'ug/L'
## Warning: Expecting logical in M8516 / R8516C13: got '87-61-6'
## Warning: Expecting logical in W8516 / R8516C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8516 / R8516C24: got '5.0'
## Warning: Expecting logical in Y8516 / R8516C25: got 'ug/L'
## Warning: Expecting logical in M8517 / R8517C13: got '7440-43-9'
## Warning: Expecting logical in W8517 / R8517C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8517 / R8517C24: got '10'
## Warning: Expecting logical in Y8517 / R8517C25: got 'ug/L'
## Warning: Expecting logical in M8518 / R8518C13: got '7723-14-0'
## Warning: Expecting logical in R8518 / R8518C18: got 'as P'
## Warning: Expecting logical in M8519 / R8519C13: got '7440-38-2'
## Warning: Expecting logical in W8519 / R8519C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8519 / R8519C24: got '5'
## Warning: Expecting logical in Y8519 / R8519C25: got 'ug/L'
## Warning: Expecting logical in M8520 / R8520C13: got '7440-02-0'
## Warning: Expecting logical in W8520 / R8520C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8520 / R8520C24: got '10'
## Warning: Expecting logical in Y8520 / R8520C25: got 'ug/L'
## Warning: Expecting logical in M8521 / R8521C13: got '75-01-4'
## Warning: Expecting logical in W8521 / R8521C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8521 / R8521C24: got '5.0'
## Warning: Expecting logical in Y8521 / R8521C25: got 'ug/L'
## Warning: Expecting logical in M8522 / R8522C13: got '100-42-5'
## Warning: Expecting logical in W8522 / R8522C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8522 / R8522C24: got '5.0'
## Warning: Expecting logical in Y8522 / R8522C25: got 'ug/L'
## Warning: Expecting logical in M8523 / R8523C13: got '106-43-4'
## Warning: Expecting logical in W8523 / R8523C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8523 / R8523C24: got '5.0'
## Warning: Expecting logical in Y8523 / R8523C25: got 'ug/L'
## Warning: Expecting logical in M8524 / R8524C13: got '106-46-7'
## Warning: Expecting logical in W8524 / R8524C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8524 / R8524C24: got '5.0'
## Warning: Expecting logical in Y8524 / R8524C25: got 'ug/L'
## Warning: Expecting logical in M8525 / R8525C13: got '104-51-8'
## Warning: Expecting logical in W8525 / R8525C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8525 / R8525C24: got '5.0'
## Warning: Expecting logical in Y8525 / R8525C25: got 'ug/L'
## Warning: Expecting logical in M8526 / R8526C13: got '7440-66-6'
## Warning: Expecting logical in W8526 / R8526C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8526 / R8526C24: got '20'
## Warning: Expecting logical in Y8526 / R8526C25: got 'ug/L'
## Warning: Expecting logical in M8527 / R8527C13: got '7440-22-4'
## Warning: Expecting logical in W8527 / R8527C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8527 / R8527C24: got '10'
## Warning: Expecting logical in Y8527 / R8527C25: got 'ug/L'
## Warning: Expecting logical in M8528 / R8528C13: got '7440-43-9'
## Warning: Expecting logical in W8528 / R8528C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8528 / R8528C24: got '0.7'
## Warning: Expecting logical in Y8528 / R8528C25: got 'ug/L'
## Warning: Expecting logical in M8529 / R8529C13: got '7440-50-8'
## Warning: Expecting logical in W8529 / R8529C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8529 / R8529C24: got '20'
## Warning: Expecting logical in Y8529 / R8529C25: got 'ug/L'
## Warning: Expecting logical in M8530 / R8530C13: got '541-73-1'
## Warning: Expecting logical in W8530 / R8530C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8530 / R8530C24: got '5.0'
## Warning: Expecting logical in Y8530 / R8530C25: got 'ug/L'
## Warning: Expecting logical in M8531 / R8531C13: got '108-86-1'
## Warning: Expecting logical in W8531 / R8531C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8531 / R8531C24: got '5.0'
## Warning: Expecting logical in Y8531 / R8531C25: got 'ug/L'
## Warning: Expecting logical in M8532 / R8532C13: got '71-55-6'
## Warning: Expecting logical in W8532 / R8532C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8532 / R8532C24: got '5.0'
## Warning: Expecting logical in Y8532 / R8532C25: got 'ug/L'
## Warning: Expecting logical in M8533 / R8533C13: got '67-66-3'
## Warning: Expecting logical in W8533 / R8533C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8533 / R8533C24: got '5.0'
## Warning: Expecting logical in Y8533 / R8533C25: got 'ug/L'
## Warning: Expecting logical in M8534 / R8534C13: got '75-35-4'
## Warning: Expecting logical in W8534 / R8534C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8534 / R8534C24: got '5.0'
## Warning: Expecting logical in Y8534 / R8534C25: got 'ug/L'
## Warning: Expecting logical in M8535 / R8535C13: got '74-95-3'
## Warning: Expecting logical in W8535 / R8535C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8535 / R8535C24: got '5.0'
## Warning: Expecting logical in Y8535 / R8535C25: got 'ug/L'
## Warning: Expecting logical in M8536 / R8536C13: got '108-90-7'
## Warning: Expecting logical in W8536 / R8536C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8536 / R8536C24: got '5.0'
## Warning: Expecting logical in Y8536 / R8536C25: got 'ug/L'
## Warning: Expecting logical in M8537 / R8537C13: got '75-25-2'
## Warning: Expecting logical in W8537 / R8537C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8537 / R8537C24: got '5.0'
## Warning: Expecting logical in Y8537 / R8537C25: got 'ug/L'
## Warning: Expecting logical in M8538 / R8538C13: got '7439-92-1'
## Warning: Expecting logical in W8538 / R8538C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8538 / R8538C24: got '1'
## Warning: Expecting logical in Y8538 / R8538C25: got 'ug/L'
## Warning: Expecting logical in M8539 / R8539C13: got '103-65-1'
## Warning: Expecting logical in W8539 / R8539C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8539 / R8539C24: got '5.0'
## Warning: Expecting logical in Y8539 / R8539C25: got 'ug/L'
## Warning: Expecting logical in M8540 / R8540C13: got '7439-92-1'
## Warning: Expecting logical in W8540 / R8540C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8540 / R8540C24: got '90'
## Warning: Expecting logical in Y8540 / R8540C25: got 'ug/L'
## Warning: Expecting logical in M8541 / R8541C13: got '25735-29-9'
## Warning: Expecting logical in W8541 / R8541C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8541 / R8541C24: got '5.0'
## Warning: Expecting logical in Y8541 / R8541C25: got 'ug/L'
## Warning: Expecting logical in M8542 / R8542C13: got '7439-96-5'
## Warning: Expecting logical in W8542 / R8542C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8542 / R8542C24: got '10'
## Warning: Expecting logical in Y8542 / R8542C25: got 'ug/L'
## Warning: Expecting logical in M8543 / R8543C13: got '7440-50-8'
## Warning: Expecting logical in W8543 / R8543C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8543 / R8543C24: got '5'
## Warning: Expecting logical in Y8543 / R8543C25: got 'ug/L'
## Warning: Expecting logical in M8544 / R8544C13: got '7429-90-5'
## Warning: Expecting logical in W8544 / R8544C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8544 / R8544C24: got '50'
## Warning: Expecting logical in Y8544 / R8544C25: got 'ug/L'
## Warning: Expecting logical in M8545 / R8545C13: got '74-87-3'
## Warning: Expecting logical in W8545 / R8545C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8545 / R8545C24: got '5.0'
## Warning: Expecting logical in Y8545 / R8545C25: got 'ug/L'
## Warning: Expecting logical in M8546 / R8546C13: got '156-60-5'
## Warning: Expecting logical in W8546 / R8546C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8546 / R8546C24: got '5.0'
## Warning: Expecting logical in Y8546 / R8546C25: got 'ug/L'
## Warning: Expecting logical in M8547 / R8547C13: got '75-34-3'
## Warning: Expecting logical in W8547 / R8547C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8547 / R8547C24: got '5.0'
## Warning: Expecting logical in Y8547 / R8547C25: got 'ug/L'
## Warning: Expecting logical in M8548 / R8548C13: got '7440-36-0'
## Warning: Expecting logical in W8548 / R8548C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8548 / R8548C24: got '120'
## Warning: Expecting logical in Y8548 / R8548C25: got 'ug/L'
## Warning: Expecting logical in M8549 / R8549C13: got '7440-39-3'
## Warning: Expecting logical in W8549 / R8549C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8549 / R8549C24: got '10'
## Warning: Expecting logical in Y8549 / R8549C25: got 'ug/L'
## Warning: Expecting logical in M8550 / R8550C13: got '7429-90-5'
## Warning: Expecting logical in W8550 / R8550C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8550 / R8550C24: got '100'
## Warning: Expecting logical in Y8550 / R8550C25: got 'ug/L'
## Warning: Expecting logical in M8551 / R8551C13: got '7440-32-6'
## Warning: Expecting logical in W8551 / R8551C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8551 / R8551C24: got '10'
## Warning: Expecting logical in Y8551 / R8551C25: got 'ug/L'
## Warning: Expecting logical in M8552 / R8552C13: got '7782-49-2'
## Warning: Expecting logical in W8552 / R8552C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8552 / R8552C24: got '5'
## Warning: Expecting logical in Y8552 / R8552C25: got 'ug/L'
## Warning: Expecting logical in M8553 / R8553C13: got '7439-95-4'
## Warning: Expecting logical in M8554 / R8554C13: got '14808-79-8'
## Warning: Expecting logical in W8554 / R8554C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8554 / R8554C24: got '10'
## Warning: Expecting logical in Y8554 / R8554C25: got 'mg/L'
## Warning: Expecting logical in M8555 / R8555C13: got '7782-49-2'
## Warning: Expecting logical in W8555 / R8555C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8555 / R8555C24: got '190'
## Warning: Expecting logical in Y8555 / R8555C25: got 'ug/L'
## Warning: Expecting logical in M8556 / R8556C13: got '120-82-1'
```

```
## Warning: Expecting logical in W8556 / R8556C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8556 / R8556C24: got '5.0'
## Warning: Expecting logical in Y8556 / R8556C25: got 'ug/L'
## Warning: Expecting logical in M8557 / R8557C13: got '75-71-8'
## Warning: Expecting logical in W8557 / R8557C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8557 / R8557C24: got '5.0'
## Warning: Expecting logical in Y8557 / R8557C25: got 'ug/L'
## Warning: Expecting logical in M8558 / R8558C13: got '75-00-3'
## Warning: Expecting logical in W8558 / R8558C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8558 / R8558C24: got '5.0'
## Warning: Expecting logical in Y8558 / R8558C25: got 'ug/L'
## Warning: Expecting logical in M8559 / R8559C13: got '75-69-4'
## Warning: Expecting logical in W8559 / R8559C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8559 / R8559C24: got '5.0'
## Warning: Expecting logical in Y8559 / R8559C25: got 'ug/L'
## Warning: Expecting logical in M8560 / R8560C13: got '75-27-4'
## Warning: Expecting logical in W8560 / R8560C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8560 / R8560C24: got '5.0'
## Warning: Expecting logical in Y8560 / R8560C25: got 'ug/L'
## Warning: Expecting logical in M8561 / R8561C13: got '7440-22-4'
## Warning: Expecting logical in W8561 / R8561C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8561 / R8561C24: got '5'
## Warning: Expecting logical in Y8561 / R8561C25: got 'ug/L'
## Warning: Expecting logical in M8562 / R8562C13: got '7439-96-5'
```

```
## Warning: Expecting logical in M8563 / R8563C13: got '108-90-7'
## Warning: Expecting logical in W8563 / R8563C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8563 / R8563C24: got '0.5'
## Warning: Expecting logical in Y8563 / R8563C25: got 'ug/L'
## Warning: Expecting logical in M8564 / R8564C13: got '75-25-2'
## Warning: Expecting logical in W8564 / R8564C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8564 / R8564C24: got '0.5'
## Warning: Expecting logical in Y8564 / R8564C25: got 'ug/L'
## Warning: Expecting logical in M8565 / R8565C13: got '7439-89-6'
## Warning: Expecting logical in M8566 / R8566C13: got '7440-70-2'
## Warning: Expecting logical in M8567 / R8567C13: got '7440-39-3'
## Warning: Expecting logical in M8568 / R8568C13: got '7439-92-1'
## Warning: Expecting logical in W8568 / R8568C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8568 / R8568C24: got '90'
## Warning: Expecting logical in Y8568 / R8568C25: got 'ug/L'
## Warning: Expecting logical in M8569 / R8569C13: got '16984-48-8'
## Warning: Expecting logical in W8569 / R8569C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8569 / R8569C24: got '0.20'
## Warning: Expecting logical in Y8569 / R8569C25: got 'mg/L'
## Warning: Expecting logical in M8570 / R8570C13: got '14808-79-8'
## Warning: Expecting logical in M8571 / R8571C13: got '25735-29-9'
## Warning: Expecting logical in W8571 / R8571C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8571 / R8571C24: got '0.5'
## Warning: Expecting logical in Y8571 / R8571C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8572 / R8572C13: got '541-73-1'
## Warning: Expecting logical in W8572 / R8572C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8572 / R8572C24: got '0.5'
## Warning: Expecting logical in Y8572 / R8572C25: got 'ug/L'
## Warning: Expecting logical in M8573 / R8573C13: got '127-18-4'
## Warning: Expecting logical in W8573 / R8573C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8573 / R8573C24: got '0.5'
## Warning: Expecting logical in Y8573 / R8573C25: got 'ug/L'
## Warning: Expecting logical in M8574 / R8574C13: got '563-58-6'
## Warning: Expecting logical in W8574 / R8574C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8574 / R8574C24: got '0.5'
## Warning: Expecting logical in Y8574 / R8574C25: got 'ug/L'
## Warning: Expecting logical in M8575 / R8575C13: got '10061-01-5'
## Warning: Expecting logical in W8575 / R8575C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8575 / R8575C24: got '0.5'
## Warning: Expecting logical in Y8575 / R8575C25: got 'ug/L'
## Warning: Expecting logical in M8576 / R8576C13: got '75-71-8'
## Warning: Expecting logical in W8576 / R8576C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8576 / R8576C24: got '0.5'
## Warning: Expecting logical in Y8576 / R8576C25: got 'ug/L'
## Warning: Expecting logical in M8577 / R8577C13: got '1330-20-7'
## Warning: Expecting logical in W8577 / R8577C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8577 / R8577C24: got '0.50'
## Warning: Expecting logical in Y8577 / R8577C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8578 / R8578C13: got '100-42-5'
## Warning: Expecting logical in W8578 / R8578C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8578 / R8578C24: got '0.5'
## Warning: Expecting logical in Y8578 / R8578C25: got 'ug/L'
## Warning: Expecting logical in M8579 / R8579C13: got '103-65-1'
## Warning: Expecting logical in W8579 / R8579C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8579 / R8579C24: got '0.5'
## Warning: Expecting logical in Y8579 / R8579C25: got 'ug/L'
## Warning: Expecting logical in M8580 / R8580C13: got '7440-02-0'
## Warning: Expecting logical in W8580 / R8580C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8580 / R8580C24: got '20'
## Warning: Expecting logical in Y8580 / R8580C25: got 'ug/L'
## Warning: Expecting logical in M8581 / R8581C13: got '7440-28-0'
## Warning: Expecting logical in W8581 / R8581C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8581 / R8581C24: got '200'
## Warning: Expecting logical in Y8581 / R8581C25: got 'ug/L'
## Warning: Expecting logical in M8582 / R8582C13: got '7440-66-6'
## Warning: Expecting logical in W8582 / R8582C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8582 / R8582C24: got '10'
## Warning: Expecting logical in Y8582 / R8582C25: got 'ug/L'
## Warning: Expecting logical in M8583 / R8583C13: got '99-87-6'
## Warning: Expecting logical in W8583 / R8583C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8583 / R8583C24: got '0.5'
## Warning: Expecting logical in Y8583 / R8583C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8584 / R8584C13: got '7440-22-4'
## Warning: Expecting logical in W8584 / R8584C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8584 / R8584C24: got '10'
## Warning: Expecting logical in Y8584 / R8584C25: got 'ug/L'
## Warning: Expecting logical in M8585 / R8585C13: got '16887-00-6'
## Warning: Expecting logical in W8585 / R8585C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8585 / R8585C24: got '10'
## Warning: Expecting logical in Y8585 / R8585C25: got 'mg/L'
## Warning: Expecting logical in M8586 / R8586C13: got '7440-48-4'
## Warning: Expecting logical in W8586 / R8586C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8586 / R8586C24: got '10'
## Warning: Expecting logical in Y8586 / R8586C25: got 'ug/L'
## Warning: Expecting logical in M8587 / R8587C13: got '7440-22-4'
## Warning: Expecting logical in W8587 / R8587C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8587 / R8587C24: got '5'
## Warning: Expecting logical in Y8587 / R8587C25: got 'ug/L'
## Warning: Expecting logical in M8588 / R8588C13: got '7440-61-1'
## Warning: Expecting logical in M8589 / R8589C13: got '7440-28-0'
## Warning: Expecting logical in W8589 / R8589C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8589 / R8589C24: got '1'
## Warning: Expecting logical in Y8589 / R8589C25: got 'ug/L'
## Warning: Expecting logical in M8590 / R8590C13: got '124-48-1'
## Warning: Expecting logical in W8590 / R8590C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8590 / R8590C24: got '0.5'
```

```
## Warning: Expecting logical in Y8590 / R8590C25: got 'ug/L'
## Warning: Expecting logical in M8591 / R8591C13: got '71-55-6'
## Warning: Expecting logical in W8591 / R8591C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8591 / R8591C24: got '0.5'
## Warning: Expecting logical in Y8591 / R8591C25: got 'ug/L'
## Warning: Expecting logical in M8592 / R8592C13: got '75-00-3'
## Warning: Expecting logical in W8592 / R8592C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8592 / R8592C24: got '0.5'
## Warning: Expecting logical in Y8592 / R8592C25: got 'ug/L'
## Warning: Expecting logical in M8593 / R8593C13: got '87-68-3'
## Warning: Expecting logical in W8593 / R8593C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8593 / R8593C24: got '0.5'
## Warning: Expecting logical in Y8593 / R8593C25: got 'ug/L'
## Warning: Expecting logical in M8594 / R8594C13: got '7440-43-9'
## Warning: Expecting logical in W8594 / R8594C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8594 / R8594C24: got '10'
## Warning: Expecting logical in Y8594 / R8594C25: got 'ug/L'
## Warning: Expecting logical in M8595 / R8595C13: got '7723-14-0'
## Warning: Expecting logical in R8595 / R8595C18: got 'as P'
## Warning: Expecting logical in M8596 / R8596C13: got '7440-43-9'
## Warning: Expecting logical in W8596 / R8596C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8596 / R8596C24: got '0.7'
## Warning: Expecting logical in Y8596 / R8596C25: got 'ug/L'
## Warning: Expecting logical in M8597 / R8597C13: got '7439-95-4'
```

```
## Warning: Expecting logical in M8598 / R8598C13: got '7782-49-2'
## Warning: Expecting logical in W8598 / R8598C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8598 / R8598C24: got '5'
## Warning: Expecting logical in Y8598 / R8598C25: got 'ug/L'
## Warning: Expecting logical in M8599 / R8599C13: got '7440-23-5'
## Warning: Expecting logical in M8600 / R8600C13: got '7440-50-8'
## Warning: Expecting logical in W8600 / R8600C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8600 / R8600C24: got '5'
## Warning: Expecting logical in Y8600 / R8600C25: got 'ug/L'
## Warning: Expecting logical in M8601 / R8601C13: got '95-50-1'
## Warning: Expecting logical in W8601 / R8601C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8601 / R8601C24: got '0.5'
## Warning: Expecting logical in Y8601 / R8601C25: got 'ug/L'
## Warning: Expecting logical in M8602 / R8602C13: got '108-86-1'
## Warning: Expecting logical in W8602 / R8602C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8602 / R8602C24: got '0.5'
## Warning: Expecting logical in Y8602 / R8602C25: got 'ug/L'
## Warning: Expecting logical in M8603 / R8603C13: got '630-20-6'
## Warning: Expecting logical in W8603 / R8603C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8603 / R8603C24: got '0.5'
## Warning: Expecting logical in Y8603 / R8603C25: got 'ug/L'
## Warning: Expecting logical in M8604 / R8604C13: got '75-09-2'
## Warning: Expecting logical in W8604 / R8604C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8604 / R8604C24: got '0.5'
```

```
## Warning: Expecting logical in Y8604 / R8604C25: got 'ug/L'
## Warning: Expecting logical in M8605 / R8605C13: got '7440-36-0'
## Warning: Expecting logical in W8605 / R8605C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8605 / R8605C24: got '5'
## Warning: Expecting logical in Y8605 / R8605C25: got 'ug/L'
## Warning: Expecting logical in M8606 / R8606C13: got '594-20-7'
## Warning: Expecting logical in W8606 / R8606C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8606 / R8606C24: got '0.5'
## Warning: Expecting logical in Y8606 / R8606C25: got 'ug/L'
## Warning: Expecting logical in M8607 / R8607C13: got '106-43-4'
## Warning: Expecting logical in W8607 / R8607C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8607 / R8607C24: got '0.5'
## Warning: Expecting logical in Y8607 / R8607C25: got 'ug/L'
## Warning: Expecting logical in M8608 / R8608C13: got '120-82-1'
## Warning: Expecting logical in W8608 / R8608C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8608 / R8608C24: got '0.5'
## Warning: Expecting logical in Y8608 / R8608C25: got 'ug/L'
## Warning: Expecting logical in M8609 / R8609C13: got '7440-50-8'
## Warning: Expecting logical in W8609 / R8609C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8609 / R8609C24: got '20'
## Warning: Expecting logical in Y8609 / R8609C25: got 'ug/L'
## Warning: Expecting logical in M8610 / R8610C13: got '7440-38-2'
## Warning: Expecting logical in W8610 / R8610C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8610 / R8610C24: got '5'
```

```
## Warning: Expecting logical in Y8610 / R8610C25: got 'ug/L'
## Warning: Expecting logical in M8611 / R8611C13: got '7440-47-3'
## Warning: Expecting logical in W8611 / R8611C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8611 / R8611C24: got '5'
## Warning: Expecting logical in Y8611 / R8611C25: got 'ug/L'
## Warning: Expecting logical in M8612 / R8612C13: got '7440-62-2'
## Warning: Expecting logical in W8612 / R8612C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8612 / R8612C24: got '10'
## Warning: Expecting logical in Y8612 / R8612C25: got 'ug/L'
## Warning: Expecting logical in M8613 / R8613C13: got '7440-32-6'
## Warning: Expecting logical in W8613 / R8613C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8613 / R8613C24: got '10'
## Warning: Expecting logical in Y8613 / R8613C25: got 'ug/L'
## Warning: Expecting logical in M8614 / R8614C13: got '108-88-3'
## Warning: Expecting logical in W8614 / R8614C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8614 / R8614C24: got '0.5'
## Warning: Expecting logical in Y8614 / R8614C25: got 'ug/L'
## Warning: Expecting logical in M8615 / R8615C13: got '79-00-5'
## Warning: Expecting logical in W8615 / R8615C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8615 / R8615C24: got '0.5'
## Warning: Expecting logical in Y8615 / R8615C25: got 'ug/L'
## Warning: Expecting logical in M8616 / R8616C13: got '7440-38-2'
## Warning: Expecting logical in W8616 / R8616C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8616 / R8616C24: got '80'
```

```
## Warning: Expecting logical in Y8616 / R8616C25: got 'ug/L'
## Warning: Expecting logical in M8617 / R8617C13: got '7782-49-2'
## Warning: Expecting logical in W8617 / R8617C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8617 / R8617C24: got '190'
## Warning: Expecting logical in Y8617 / R8617C25: got 'ug/L'
## Warning: Expecting logical in M8618 / R8618C13: got '7440-02-0'
## Warning: Expecting logical in W8618 / R8618C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8618 / R8618C24: got '10'
## Warning: Expecting logical in Y8618 / R8618C25: got 'ug/L'
## Warning: Expecting logical in M8619 / R8619C13: got '7440-09-7'
## Warning: Expecting logical in W8619 / R8619C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8619 / R8619C24: got '5000'
## Warning: Expecting logical in Y8619 / R8619C25: got 'ug/L'
## Warning: Expecting logical in M8620 / R8620C13: got '7439-98-7'
## Warning: Expecting logical in W8620 / R8620C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8620 / R8620C24: got '5'
## Warning: Expecting logical in Y8620 / R8620C25: got 'ug/L'
## Warning: Expecting logical in M8621 / R8621C13: got '7440-66-6'
## Warning: Expecting logical in W8621 / R8621C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8621 / R8621C24: got '20'
## Warning: Expecting logical in Y8621 / R8621C25: got 'ug/L'
## Warning: Expecting logical in M8622 / R8622C13: got '87-61-6'
## Warning: Expecting logical in W8622 / R8622C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8622 / R8622C24: got '0.5'
```

```
## Warning: Expecting logical in Y8622 / R8622C25: got 'ug/L'
## Warning: Expecting logical in M8623 / R8623C13: got '98-82-8'
## Warning: Expecting logical in W8623 / R8623C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8623 / R8623C24: got '0.5'
## Warning: Expecting logical in Y8623 / R8623C25: got 'ug/L'
## Warning: Expecting logical in R8624 / R8624C18: got 'as N'
## Warning: Expecting logical in M8625 / R8625C13: got '91-20-3'
## Warning: Expecting logical in W8625 / R8625C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8625 / R8625C24: got '0.5'
## Warning: Expecting logical in Y8625 / R8625C25: got 'ug/L'
## Warning: Expecting logical in M8626 / R8626C13: got '95-63-6'
## Warning: Expecting logical in W8626 / R8626C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8626 / R8626C24: got '0.5'
## Warning: Expecting logical in Y8626 / R8626C25: got 'ug/L'
## Warning: Expecting logical in M8627 / R8627C13: got '156-60-5'
## Warning: Expecting logical in W8627 / R8627C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8627 / R8627C24: got '0.5'
## Warning: Expecting logical in Y8627 / R8627C25: got 'ug/L'
## Warning: Expecting logical in M8628 / R8628C13: got '75-34-3'
## Warning: Expecting logical in W8628 / R8628C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8628 / R8628C24: got '0.5'
## Warning: Expecting logical in Y8628 / R8628C25: got 'ug/L'
## Warning: Expecting logical in M8629 / R8629C13: got '67-66-3'
## Warning: Expecting logical in W8629 / R8629C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8629 / R8629C24: got '0.5'
## Warning: Expecting logical in Y8629 / R8629C25: got 'ug/L'
## Warning: Expecting logical in M8630 / R8630C13: got '78-87-5'
## Warning: Expecting logical in W8630 / R8630C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8630 / R8630C24: got '0.5'
## Warning: Expecting logical in Y8630 / R8630C25: got 'ug/L'
## Warning: Expecting logical in M8631 / R8631C13: got '106-93-4'
## Warning: Expecting logical in W8631 / R8631C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8631 / R8631C24: got '0.5'
## Warning: Expecting logical in Y8631 / R8631C25: got 'ug/L'
## Warning: Expecting logical in M8632 / R8632C13: got '98-06-6'
## Warning: Expecting logical in W8632 / R8632C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8632 / R8632C24: got '0.5'
## Warning: Expecting logical in Y8632 / R8632C25: got 'ug/L'
## Warning: Expecting logical in M8633 / R8633C13: got '135-98-8'
## Warning: Expecting logical in W8633 / R8633C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8633 / R8633C24: got '0.5'
## Warning: Expecting logical in Y8633 / R8633C25: got 'ug/L'
## Warning: Expecting logical in M8634 / R8634C13: got '7440-47-3'
## Warning: Expecting logical in W8634 / R8634C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8634 / R8634C24: got '20'
## Warning: Expecting logical in Y8634 / R8634C25: got 'ug/L'
## Warning: Expecting logical in M8635 / R8635C13: got '7440-41-7'
## Warning: Expecting logical in W8635 / R8635C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8635 / R8635C24: got '10'
## Warning: Expecting logical in Y8635 / R8635C25: got 'ug/L'
## Warning: Expecting logical in M8636 / R8636C13: got '7439-92-1'
## Warning: Expecting logical in W8636 / R8636C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8636 / R8636C24: got '1'
## Warning: Expecting logical in Y8636 / R8636C25: got 'ug/L'
## Warning: Expecting logical in M8637 / R8637C13: got '7440-31-5'
## Warning: Expecting logical in W8637 / R8637C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8637 / R8637C24: got '30'
## Warning: Expecting logical in Y8637 / R8637C25: got 'ug/L'
## Warning: Expecting logical in M8638 / R8638C13: got '75-27-4'
## Warning: Expecting logical in W8638 / R8638C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8638 / R8638C24: got '0.5'
## Warning: Expecting logical in Y8638 / R8638C25: got 'ug/L'
## Warning: Expecting logical in M8639 / R8639C13: got '79-01-6'
## Warning: Expecting logical in W8639 / R8639C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8639 / R8639C24: got '0.5'
## Warning: Expecting logical in Y8639 / R8639C25: got 'ug/L'
## Warning: Expecting logical in M8640 / R8640C13: got '1634-04-4'
## Warning: Expecting logical in W8640 / R8640C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8640 / R8640C24: got '0.5'
## Warning: Expecting logical in Y8640 / R8640C25: got 'ug/L'
## Warning: Expecting logical in M8641 / R8641C13: got '96-12-8'
## Warning: Expecting logical in W8641 / R8641C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8641 / R8641C24: got '0.5'
## Warning: Expecting logical in Y8641 / R8641C25: got 'ug/L'
## Warning: Expecting logical in M8642 / R8642C13: got '108-67-8'
## Warning: Expecting logical in W8642 / R8642C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8642 / R8642C24: got '0.5'
## Warning: Expecting logical in Y8642 / R8642C25: got 'ug/L'
## Warning: Expecting logical in M8643 / R8643C13: got '100-41-4'
## Warning: Expecting logical in W8643 / R8643C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8643 / R8643C24: got '0.5'
## Warning: Expecting logical in Y8643 / R8643C25: got 'ug/L'
## Warning: Expecting logical in M8644 / R8644C13: got '142-28-9'
## Warning: Expecting logical in W8644 / R8644C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8644 / R8644C24: got '0.5'
## Warning: Expecting logical in Y8644 / R8644C25: got 'ug/L'
## Warning: Expecting logical in M8645 / R8645C13: got '75-35-4'
## Warning: Expecting logical in W8645 / R8645C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8645 / R8645C24: got '0.5'
## Warning: Expecting logical in Y8645 / R8645C25: got 'ug/L'
## Warning: Expecting logical in M8646 / R8646C13: got '75-01-4'
## Warning: Expecting logical in W8646 / R8646C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8646 / R8646C24: got '0.5'
## Warning: Expecting logical in Y8646 / R8646C25: got 'ug/L'
## Warning: Expecting logical in M8647 / R8647C13: got '74-83-9'
## Warning: Expecting logical in W8647 / R8647C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8647 / R8647C24: got '0.5'
## Warning: Expecting logical in Y8647 / R8647C25: got 'ug/L'
## Warning: Expecting logical in M8648 / R8648C13: got '75-69-4'
## Warning: Expecting logical in W8648 / R8648C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8648 / R8648C24: got '0.5'
## Warning: Expecting logical in Y8648 / R8648C25: got 'ug/L'
## Warning: Expecting logical in M8649 / R8649C13: got '74-95-3'
## Warning: Expecting logical in W8649 / R8649C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8649 / R8649C24: got '0.5'
## Warning: Expecting logical in Y8649 / R8649C25: got 'ug/L'
## Warning: Expecting logical in M8650 / R8650C13: got '79-34-5'
## Warning: Expecting logical in W8650 / R8650C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8650 / R8650C24: got '0.5'
## Warning: Expecting logical in Y8650 / R8650C25: got 'ug/L'
## Warning: Expecting logical in M8651 / R8651C13: got '156-59-2'
## Warning: Expecting logical in W8651 / R8651C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8651 / R8651C24: got '0.5'
## Warning: Expecting logical in Y8651 / R8651C25: got 'ug/L'
## Warning: Expecting logical in M8652 / R8652C13: got '107-06-2'
## Warning: Expecting logical in W8652 / R8652C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8652 / R8652C24: got '0.5'
## Warning: Expecting logical in Y8652 / R8652C25: got 'ug/L'
## Warning: Expecting logical in M8653 / R8653C13: got '7440-39-3'
## Warning: Expecting logical in M8654 / R8654C13: got '104-51-8'
```

```
## Warning: Expecting logical in W8654 / R8654C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8654 / R8654C24: got '0.5'
## Warning: Expecting logical in Y8654 / R8654C25: got 'ug/L'
## Warning: Expecting logical in M8655 / R8655C13: got '106-46-7'
## Warning: Expecting logical in W8655 / R8655C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8655 / R8655C24: got '0.5'
## Warning: Expecting logical in Y8655 / R8655C25: got 'ug/L'
## Warning: Expecting logical in M8656 / R8656C13: got '10061-02-6'
## Warning: Expecting logical in W8656 / R8656C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8656 / R8656C24: got '0.5'
## Warning: Expecting logical in Y8656 / R8656C25: got 'ug/L'
## Warning: Expecting logical in M8657 / R8657C13: got '56-23-5'
## Warning: Expecting logical in W8657 / R8657C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8657 / R8657C24: got '0.5'
## Warning: Expecting logical in Y8657 / R8657C25: got 'ug/L'
## Warning: Expecting logical in M8658 / R8658C13: got '7429-90-5'
## Warning: Expecting logical in W8658 / R8658C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8658 / R8658C24: got '50'
## Warning: Expecting logical in Y8658 / R8658C25: got 'ug/L'
## Warning: Expecting logical in M8659 / R8659C13: got '7429-90-5'
## Warning: Expecting logical in W8659 / R8659C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8659 / R8659C24: got '100'
## Warning: Expecting logical in Y8659 / R8659C25: got 'ug/L'
## Warning: Expecting logical in M8660 / R8660C13: got '7440-36-0'
```

```
## Warning: Expecting logical in W8660 / R8660C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8660 / R8660C24: got '120'
## Warning: Expecting logical in Y8660 / R8660C25: got 'ug/L'
## Warning: Expecting logical in M8661 / R8661C13: got '95-49-8'
## Warning: Expecting logical in W8661 / R8661C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8661 / R8661C24: got '0.5'
## Warning: Expecting logical in Y8661 / R8661C25: got 'ug/L'
## Warning: Expecting logical in M8662 / R8662C13: got '74-87-3'
## Warning: Expecting logical in W8662 / R8662C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8662 / R8662C24: got '0.5'
## Warning: Expecting logical in Y8662 / R8662C25: got 'ug/L'
## Warning: Expecting logical in M8663 / R8663C13: got '74-97-5'
## Warning: Expecting logical in W8663 / R8663C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8663 / R8663C24: got '0.5'
## Warning: Expecting logical in Y8663 / R8663C25: got 'ug/L'
## Warning: Expecting logical in M8664 / R8664C13: got '71-43-2'
## Warning: Expecting logical in W8664 / R8664C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8664 / R8664C24: got '0.5'
## Warning: Expecting logical in Y8664 / R8664C25: got 'ug/L'
## Warning: Expecting logical in M8665 / R8665C13: got '156-59-2'
## Warning: Expecting logical in W8665 / R8665C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8665 / R8665C24: got '0.5'
## Warning: Expecting logical in Y8665 / R8665C25: got 'ug/L'
## Warning: Expecting logical in M8666 / R8666C13: got '74-95-3'
```

```
## Warning: Expecting logical in W8666 / R8666C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8666 / R8666C24: got '0.5'
## Warning: Expecting logical in Y8666 / R8666C25: got 'ug/L'
## Warning: Expecting logical in M8667 / R8667C13: got '7440-43-9'
## Warning: Expecting logical in W8667 / R8667C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8667 / R8667C24: got '10'
## Warning: Expecting logical in Y8667 / R8667C25: got 'ug/L'
## Warning: Expecting logical in M8668 / R8668C13: got '7440-38-2'
## Warning: Expecting logical in W8668 / R8668C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8668 / R8668C24: got '5'
## Warning: Expecting logical in Y8668 / R8668C25: got 'ug/L'
## Warning: Expecting logical in M8669 / R8669C13: got '7439-95-4'
## Warning: Expecting logical in M8670 / R8670C13: got '7440-61-1'
## Warning: Expecting logical in M8671 / R8671C13: got '7440-32-6'
## Warning: Expecting logical in W8671 / R8671C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8671 / R8671C24: got '10'
## Warning: Expecting logical in Y8671 / R8671C25: got 'ug/L'
## Warning: Expecting logical in M8672 / R8672C13: got '7440-31-5'
## Warning: Expecting logical in W8672 / R8672C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8672 / R8672C24: got '30'
## Warning: Expecting logical in Y8672 / R8672C25: got 'ug/L'
## Warning: Expecting logical in M8673 / R8673C13: got '7439-98-7'
## Warning: Expecting logical in W8673 / R8673C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8673 / R8673C24: got '5'
```

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## Warning: Expecting logical in Y8673 / R8673C25: got 'ug/L'
## Warning: Expecting logical in M8674 / R8674C13: got '7440-50-8'
## Warning: Expecting logical in W8674 / R8674C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8674 / R8674C24: got '20'
## Warning: Expecting logical in Y8674 / R8674C25: got 'ug/L'
## Warning: Expecting logical in M8675 / R8675C13: got '7440-39-3'
## Warning: Expecting logical in M8676 / R8676C13: got '7440-02-0'
## Warning: Expecting logical in W8676 / R8676C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8676 / R8676C24: got '10'
## Warning: Expecting logical in Y8676 / R8676C25: got 'ug/L'
## Warning: Expecting logical in M8677 / R8677C13: got '7782-49-2'
## Warning: Expecting logical in W8677 / R8677C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8677 / R8677C24: got '190'
## Warning: Expecting logical in Y8677 / R8677C25: got 'ug/L'
## Warning: Expecting logical in M8678 / R8678C13: got '95-49-8'
## Warning: Expecting logical in W8678 / R8678C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8678 / R8678C24: got '0.5'
## Warning: Expecting logical in Y8678 / R8678C25: got 'ug/L'
## Warning: Expecting logical in M8679 / R8679C13: got '100-41-4'
## Warning: Expecting logical in W8679 / R8679C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8679 / R8679C24: got '0.5'
## Warning: Expecting logical in Y8679 / R8679C25: got 'ug/L'
## Warning: Expecting logical in M8680 / R8680C13: got '630-20-6'
## Warning: Expecting logical in W8680 / R8680C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8680 / R8680C24: got '0.5'
## Warning: Expecting logical in Y8680 / R8680C25: got 'ug/L'
## Warning: Expecting logical in M8681 / R8681C13: got '67-66-3'
## Warning: Expecting logical in W8681 / R8681C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8681 / R8681C24: got '0.5'
## Warning: Expecting logical in Y8681 / R8681C25: got 'ug/L'
## Warning: Expecting logical in M8682 / R8682C13: got '16984-48-8'
## Warning: Expecting logical in W8682 / R8682C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8682 / R8682C24: got '0.20'
## Warning: Expecting logical in Y8682 / R8682C25: got 'mg/L'
## Warning: Expecting logical in M8683 / R8683C13: got '106-43-4'
## Warning: Expecting logical in W8683 / R8683C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8683 / R8683C24: got '0.5'
## Warning: Expecting logical in Y8683 / R8683C25: got 'ug/L'
## Warning: Expecting logical in M8684 / R8684C13: got '7429-90-5'
## Warning: Expecting logical in W8684 / R8684C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8684 / R8684C24: got '50'
## Warning: Expecting logical in Y8684 / R8684C25: got 'ug/L'
## Warning: Expecting logical in M8685 / R8685C13: got '7439-89-6'
## Warning: Expecting logical in W8685 / R8685C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8685 / R8685C24: got '20'
## Warning: Expecting logical in Y8685 / R8685C25: got 'ug/L'
## Warning: Expecting logical in M8686 / R8686C13: got '7440-66-6'
## Warning: Expecting logical in W8686 / R8686C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8686 / R8686C24: got '10'
## Warning: Expecting logical in Y8686 / R8686C25: got 'ug/L'
## Warning: Expecting logical in M8687 / R8687C13: got '75-35-4'
## Warning: Expecting logical in W8687 / R8687C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8687 / R8687C24: got '0.5'
## Warning: Expecting logical in Y8687 / R8687C25: got 'ug/L'
## Warning: Expecting logical in M8688 / R8688C13: got '108-90-7'
## Warning: Expecting logical in W8688 / R8688C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8688 / R8688C24: got '0.5'
## Warning: Expecting logical in Y8688 / R8688C25: got 'ug/L'
## Warning: Expecting logical in M8689 / R8689C13: got '108-88-3'
## Warning: Expecting logical in W8689 / R8689C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8689 / R8689C24: got '0.5'
## Warning: Expecting logical in Y8689 / R8689C25: got 'ug/L'
## Warning: Expecting logical in M8690 / R8690C13: got '7440-09-7'
## Warning: Expecting logical in W8690 / R8690C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8690 / R8690C24: got '5000'
## Warning: Expecting logical in Y8690 / R8690C25: got 'ug/L'
## Warning: Expecting logical in M8691 / R8691C13: got '7440-28-0'
## Warning: Expecting logical in W8691 / R8691C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8691 / R8691C24: got '200'
## Warning: Expecting logical in Y8691 / R8691C25: got 'ug/L'
## Warning: Expecting logical in M8692 / R8692C13: got '1634-04-4'
## Warning: Expecting logical in W8692 / R8692C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8692 / R8692C24: got '0.5'
## Warning: Expecting logical in Y8692 / R8692C25: got 'ug/L'
## Warning: Expecting logical in M8693 / R8693C13: got '87-61-6'
## Warning: Expecting logical in W8693 / R8693C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8693 / R8693C24: got '0.5'
## Warning: Expecting logical in Y8693 / R8693C25: got 'ug/L'
## Warning: Expecting logical in M8694 / R8694C13: got '106-46-7'
## Warning: Expecting logical in W8694 / R8694C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8694 / R8694C24: got '0.5'
## Warning: Expecting logical in Y8694 / R8694C25: got 'ug/L'
## Warning: Expecting logical in M8695 / R8695C13: got '10061-02-6'
## Warning: Expecting logical in W8695 / R8695C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8695 / R8695C24: got '0.5'
## Warning: Expecting logical in Y8695 / R8695C25: got 'ug/L'
## Warning: Expecting logical in M8696 / R8696C13: got '103-65-1'
## Warning: Expecting logical in W8696 / R8696C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8696 / R8696C24: got '0.5'
## Warning: Expecting logical in Y8696 / R8696C25: got 'ug/L'
## Warning: Expecting logical in M8697 / R8697C13: got '16887-00-6'
## Warning: Expecting logical in W8697 / R8697C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8697 / R8697C24: got '10'
## Warning: Expecting logical in Y8697 / R8697C25: got 'mg/L'
## Warning: Expecting logical in M8698 / R8698C13: got '7440-47-3'
## Warning: Expecting logical in W8698 / R8698C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8698 / R8698C24: got '5'
## Warning: Expecting logical in Y8698 / R8698C25: got 'ug/L'
## Warning: Expecting logical in M8699 / R8699C13: got '7782-49-2'
## Warning: Expecting logical in W8699 / R8699C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8699 / R8699C24: got '5'
## Warning: Expecting logical in Y8699 / R8699C25: got 'ug/L'
## Warning: Expecting logical in M8700 / R8700C13: got '7440-62-2'
## Warning: Expecting logical in W8700 / R8700C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8700 / R8700C24: got '10'
## Warning: Expecting logical in Y8700 / R8700C25: got 'ug/L'
## Warning: Expecting logical in M8701 / R8701C13: got '7440-70-2'
## Warning: Expecting logical in M8702 / R8702C13: got '7440-02-0'
## Warning: Expecting logical in W8702 / R8702C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8702 / R8702C24: got '20'
## Warning: Expecting logical in Y8702 / R8702C25: got 'ug/L'
## Warning: Expecting logical in M8703 / R8703C13: got '104-51-8'
## Warning: Expecting logical in W8703 / R8703C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8703 / R8703C24: got '0.5'
## Warning: Expecting logical in Y8703 / R8703C25: got 'ug/L'
## Warning: Expecting logical in M8704 / R8704C13: got '79-00-5'
## Warning: Expecting logical in W8704 / R8704C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8704 / R8704C24: got '0.5'
## Warning: Expecting logical in Y8704 / R8704C25: got 'ug/L'
## Warning: Expecting logical in M8705 / R8705C13: got '56-23-5'
```

```
## Warning: Expecting logical in W8705 / R8705C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8705 / R8705C24: got '0.5'
## Warning: Expecting logical in Y8705 / R8705C25: got 'ug/L'
## Warning: Expecting logical in M8706 / R8706C13: got '563-58-6'
## Warning: Expecting logical in W8706 / R8706C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8706 / R8706C24: got '0.5'
## Warning: Expecting logical in Y8706 / R8706C25: got 'ug/L'
## Warning: Expecting logical in M8707 / R8707C13: got '75-71-8'
## Warning: Expecting logical in W8707 / R8707C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8707 / R8707C24: got '0.5'
## Warning: Expecting logical in Y8707 / R8707C25: got 'ug/L'
## Warning: Expecting logical in M8708 / R8708C13: got '71-55-6'
## Warning: Expecting logical in W8708 / R8708C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8708 / R8708C24: got '0.5'
## Warning: Expecting logical in Y8708 / R8708C25: got 'ug/L'
## Warning: Expecting logical in M8709 / R8709C13: got '127-18-4'
## Warning: Expecting logical in W8709 / R8709C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8709 / R8709C24: got '0.5'
## Warning: Expecting logical in Y8709 / R8709C25: got 'ug/L'
## Warning: Expecting logical in M8710 / R8710C13: got '1330-20-7'
## Warning: Expecting logical in W8710 / R8710C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8710 / R8710C24: got '0.50'
## Warning: Expecting logical in Y8710 / R8710C25: got 'ug/L'
## Warning: Expecting logical in M8711 / R8711C13: got '108-86-1'
```

```
## Warning: Expecting logical in W8711 / R8711C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8711 / R8711C24: got '0.5'
## Warning: Expecting logical in Y8711 / R8711C25: got 'ug/L'
## Warning: Expecting logical in M8712 / R8712C13: got '7440-36-0'
## Warning: Expecting logical in W8712 / R8712C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8712 / R8712C24: got '120'
## Warning: Expecting logical in Y8712 / R8712C25: got 'ug/L'
## Warning: Expecting logical in M8713 / R8713C13: got '14808-79-8'
## Warning: Expecting logical in M8714 / R8714C13: got '7440-22-4'
## Warning: Expecting logical in W8714 / R8714C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8714 / R8714C24: got '5'
## Warning: Expecting logical in Y8714 / R8714C25: got 'ug/L'
## Warning: Expecting logical in M8715 / R8715C13: got '7440-48-4'
## Warning: Expecting logical in W8715 / R8715C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8715 / R8715C24: got '10'
## Warning: Expecting logical in Y8715 / R8715C25: got 'ug/L'
## Warning: Expecting logical in M8716 / R8716C13: got '7440-43-9'
## Warning: Expecting logical in W8716 / R8716C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8716 / R8716C24: got '0.7'
## Warning: Expecting logical in Y8716 / R8716C25: got 'ug/L'
## Warning: Expecting logical in M8717 / R8717C13: got '7440-39-3'
## Warning: Expecting logical in M8718 / R8718C13: got '7439-92-1'
## Warning: Expecting logical in W8718 / R8718C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8718 / R8718C24: got '90'
```

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## Warning: Expecting logical in Y8718 / R8718C25: got 'ug/L'
## Warning: Expecting logical in M8719 / R8719C13: got '7440-38-2'
## Warning: Expecting logical in W8719 / R8719C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8719 / R8719C24: got '80'
## Warning: Expecting logical in Y8719 / R8719C25: got 'ug/L'
## Warning: Expecting logical in M8720 / R8720C13: got '100-42-5'
## Warning: Expecting logical in W8720 / R8720C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8720 / R8720C24: got '0.5'
## Warning: Expecting logical in Y8720 / R8720C25: got 'ug/L'
## Warning: Expecting logical in M8721 / R8721C13: got '78-87-5'
## Warning: Expecting logical in W8721 / R8721C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8721 / R8721C24: got '0.5'
## Warning: Expecting logical in Y8721 / R8721C25: got 'ug/L'
## Warning: Expecting logical in M8722 / R8722C13: got '98-82-8'
## Warning: Expecting logical in W8722 / R8722C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8722 / R8722C24: got '0.5'
## Warning: Expecting logical in Y8722 / R8722C25: got 'ug/L'
## Warning: Expecting logical in M8723 / R8723C13: got '135-98-8'
## Warning: Expecting logical in W8723 / R8723C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8723 / R8723C24: got '0.5'
## Warning: Expecting logical in Y8723 / R8723C25: got 'ug/L'
## Warning: Expecting logical in M8724 / R8724C13: got '95-50-1'
## Warning: Expecting logical in W8724 / R8724C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8724 / R8724C24: got '0.5'
```

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## Warning: Expecting logical in Y8724 / R8724C25: got 'ug/L'
## Warning: Expecting logical in M8725 / R8725C13: got '120-82-1'
## Warning: Expecting logical in W8725 / R8725C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8725 / R8725C24: got '0.5'
## Warning: Expecting logical in Y8725 / R8725C25: got 'ug/L'
## Warning: Expecting logical in M8726 / R8726C13: got '7439-92-1'
## Warning: Expecting logical in W8726 / R8726C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8726 / R8726C24: got '1'
## Warning: Expecting logical in Y8726 / R8726C25: got 'ug/L'
## Warning: Expecting logical in M8727 / R8727C13: got '74-87-3'
## Warning: Expecting logical in W8727 / R8727C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8727 / R8727C24: got '0.5'
## Warning: Expecting logical in Y8727 / R8727C25: got 'ug/L'
## Warning: Expecting logical in M8728 / R8728C13: got '79-01-6'
## Warning: Expecting logical in W8728 / R8728C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8728 / R8728C24: got '0.5'
## Warning: Expecting logical in Y8728 / R8728C25: got 'ug/L'
## Warning: Expecting logical in M8729 / R8729C13: got '75-27-4'
## Warning: Expecting logical in W8729 / R8729C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8729 / R8729C24: got '0.5'
## Warning: Expecting logical in Y8729 / R8729C25: got 'ug/L'
## Warning: Expecting logical in M8730 / R8730C13: got '124-48-1'
## Warning: Expecting logical in W8730 / R8730C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8730 / R8730C24: got '0.5'
```

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## Warning: Expecting logical in Y8730 / R8730C25: got 'ug/L'
## Warning: Expecting logical in M8731 / R8731C13: got '541-73-1'
## Warning: Expecting logical in W8731 / R8731C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8731 / R8731C24: got '0.5'
## Warning: Expecting logical in Y8731 / R8731C25: got 'ug/L'
## Warning: Expecting logical in M8732 / R8732C13: got '91-20-3'
## Warning: Expecting logical in W8732 / R8732C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8732 / R8732C24: got '0.5'
## Warning: Expecting logical in Y8732 / R8732C25: got 'ug/L'
## Warning: Expecting logical in M8733 / R8733C13: got '7440-66-6'
## Warning: Expecting logical in W8733 / R8733C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8733 / R8733C24: got '20'
## Warning: Expecting logical in Y8733 / R8733C25: got 'ug/L'
## Warning: Expecting logical in M8734 / R8734C13: got '7429-90-5'
## Warning: Expecting logical in W8734 / R8734C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8734 / R8734C24: got '100'
## Warning: Expecting logical in Y8734 / R8734C25: got 'ug/L'
## Warning: Expecting logical in M8735 / R8735C13: got '7440-41-7'
## Warning: Expecting logical in W8735 / R8735C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8735 / R8735C24: got '10'
## Warning: Expecting logical in Y8735 / R8735C25: got 'ug/L'
## Warning: Expecting logical in M8736 / R8736C13: got '7440-23-5'
## Warning: Expecting logical in M8737 / R8737C13: got '75-25-2'
## Warning: Expecting logical in W8737 / R8737C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8737 / R8737C24: got '0.5'
## Warning: Expecting logical in Y8737 / R8737C25: got 'ug/L'
## Warning: Expecting logical in M8738 / R8738C13: got '96-12-8'
## Warning: Expecting logical in W8738 / R8738C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8738 / R8738C24: got '0.5'
## Warning: Expecting logical in Y8738 / R8738C25: got 'ug/L'
## Warning: Expecting logical in M8739 / R8739C13: got '7440-47-3'
## Warning: Expecting logical in W8739 / R8739C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8739 / R8739C24: got '20'
## Warning: Expecting logical in Y8739 / R8739C25: got 'ug/L'
## Warning: Expecting logical in M8740 / R8740C13: got '7723-14-0'
## Warning: Expecting logical in R8740 / R8740C18: got 'as P'
## Warning: Expecting logical in M8741 / R8741C13: got '7440-28-0'
## Warning: Expecting logical in W8741 / R8741C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8741 / R8741C24: got '1'
## Warning: Expecting logical in Y8741 / R8741C25: got 'ug/L'
## Warning: Expecting logical in M8742 / R8742C13: got '75-00-3'
## Warning: Expecting logical in W8742 / R8742C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8742 / R8742C24: got '0.5'
## Warning: Expecting logical in Y8742 / R8742C25: got 'ug/L'
## Warning: Expecting logical in M8743 / R8743C13: got '107-06-2'
## Warning: Expecting logical in W8743 / R8743C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8743 / R8743C24: got '0.5'
## Warning: Expecting logical in Y8743 / R8743C25: got 'ug/L'
```

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## Warning: Expecting logical in M8744 / R8744C13: got '10061-01-5'
## Warning: Expecting logical in W8744 / R8744C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8744 / R8744C24: got '0.5'
## Warning: Expecting logical in Y8744 / R8744C25: got 'ug/L'
## Warning: Expecting logical in M8745 / R8745C13: got '79-34-5'
## Warning: Expecting logical in W8745 / R8745C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8745 / R8745C24: got '0.5'
## Warning: Expecting logical in Y8745 / R8745C25: got 'ug/L'
## Warning: Expecting logical in M8746 / R8746C13: got '25735-29-9'
## Warning: Expecting logical in W8746 / R8746C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8746 / R8746C24: got '0.5'
## Warning: Expecting logical in Y8746 / R8746C25: got 'ug/L'
## Warning: Expecting logical in M8747 / R8747C13: got '74-83-9'
## Warning: Expecting logical in W8747 / R8747C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8747 / R8747C24: got '0.5'
## Warning: Expecting logical in Y8747 / R8747C25: got 'ug/L'
## Warning: Expecting logical in M8748 / R8748C13: got '75-69-4'
## Warning: Expecting logical in W8748 / R8748C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8748 / R8748C24: got '0.5'
## Warning: Expecting logical in Y8748 / R8748C25: got 'ug/L'
## Warning: Expecting logical in M8749 / R8749C13: got '594-20-7'
## Warning: Expecting logical in W8749 / R8749C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8749 / R8749C24: got '0.5'
## Warning: Expecting logical in Y8749 / R8749C25: got 'ug/L'
```

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## Warning: Expecting logical in M8750 / R8750C13: got '108-67-8'
## Warning: Expecting logical in W8750 / R8750C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8750 / R8750C24: got '0.5'
## Warning: Expecting logical in Y8750 / R8750C25: got 'ug/L'
## Warning: Expecting logical in M8751 / R8751C13: got '7440-22-4'
## Warning: Expecting logical in W8751 / R8751C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8751 / R8751C24: got '10'
## Warning: Expecting logical in Y8751 / R8751C25: got 'ug/L'
## Warning: Expecting logical in M8752 / R8752C13: got '7439-96-5'
## Warning: Expecting logical in W8752 / R8752C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8752 / R8752C24: got '10'
## Warning: Expecting logical in Y8752 / R8752C25: got 'ug/L'
## Warning: Expecting logical in M8753 / R8753C13: got '74-97-5'
## Warning: Expecting logical in W8753 / R8753C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8753 / R8753C24: got '0.5'
## Warning: Expecting logical in Y8753 / R8753C25: got 'ug/L'
## Warning: Expecting logical in M8754 / R8754C13: got '98-06-6'
## Warning: Expecting logical in W8754 / R8754C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8754 / R8754C24: got '0.5'
## Warning: Expecting logical in Y8754 / R8754C25: got 'ug/L'
## Warning: Expecting logical in M8755 / R8755C13: got '95-63-6'
## Warning: Expecting logical in W8755 / R8755C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8755 / R8755C24: got '0.5'
## Warning: Expecting logical in Y8755 / R8755C25: got 'ug/L'
```

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## Warning: Expecting logical in M8756 / R8756C13: got '87-68-3'
## Warning: Expecting logical in W8756 / R8756C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8756 / R8756C24: got '0.5'
## Warning: Expecting logical in Y8756 / R8756C25: got 'ug/L'
## Warning: Expecting logical in M8757 / R8757C13: got '99-87-6'
## Warning: Expecting logical in W8757 / R8757C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8757 / R8757C24: got '0.5'
## Warning: Expecting logical in Y8757 / R8757C25: got 'ug/L'
## Warning: Expecting logical in M8758 / R8758C13: got '106-93-4'
## Warning: Expecting logical in W8758 / R8758C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8758 / R8758C24: got '0.5'
## Warning: Expecting logical in Y8758 / R8758C25: got 'ug/L'
## Warning: Expecting logical in M8759 / R8759C13: got '142-28-9'
## Warning: Expecting logical in W8759 / R8759C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8759 / R8759C24: got '0.5'
## Warning: Expecting logical in Y8759 / R8759C25: got 'ug/L'
## Warning: Expecting logical in M8760 / R8760C13: got '156-60-5'
## Warning: Expecting logical in W8760 / R8760C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8760 / R8760C24: got '0.5'
## Warning: Expecting logical in Y8760 / R8760C25: got 'ug/L'
## Warning: Expecting logical in M8761 / R8761C13: got '75-01-4'
## Warning: Expecting logical in W8761 / R8761C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8761 / R8761C24: got '0.5'
## Warning: Expecting logical in Y8761 / R8761C25: got 'ug/L'
```

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## Warning: Expecting logical in R8762 / R8762C18: got 'as N'
## Warning: Expecting logical in M8763 / R8763C13: got '7440-36-0'
## Warning: Expecting logical in W8763 / R8763C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8763 / R8763C24: got '5'
## Warning: Expecting logical in Y8763 / R8763C25: got 'ug/L'
## Warning: Expecting logical in M8764 / R8764C13: got '7440-50-8'
## Warning: Expecting logical in W8764 / R8764C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8764 / R8764C24: got '5'
## Warning: Expecting logical in Y8764 / R8764C25: got 'ug/L'
## Warning: Expecting logical in M8765 / R8765C13: got '71-43-2'
## Warning: Expecting logical in W8765 / R8765C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8765 / R8765C24: got '0.5'
## Warning: Expecting logical in Y8765 / R8765C25: got 'ug/L'
## Warning: Expecting logical in M8766 / R8766C13: got '75-34-3'
## Warning: Expecting logical in W8766 / R8766C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8766 / R8766C24: got '0.5'
## Warning: Expecting logical in Y8766 / R8766C25: got 'ug/L'
## Warning: Expecting logical in M8767 / R8767C13: got '75-09-2'
## Warning: Expecting logical in W8767 / R8767C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8767 / R8767C24: got '0.5'
## Warning: Expecting logical in Y8767 / R8767C25: got 'ug/L'
## Warning: Expecting logical in M8768 / R8768C13: got '67-66-3'
## Warning: Expecting logical in W8768 / R8768C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8768 / R8768C24: got '0.5'
```

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## Warning: Expecting logical in Y8768 / R8768C25: got 'ug/L'
## Warning: Expecting logical in M8769 / R8769C13: got '7782-49-2'
## Warning: Expecting logical in W8769 / R8769C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8769 / R8769C24: got '190'
## Warning: Expecting logical in Y8769 / R8769C25: got 'ug/L'
## Warning: Expecting logical in M8770 / R8770C13: got '7440-39-3'
## Warning: Expecting logical in M8771 / R8771C13: got '7439-89-6'
## Warning: Expecting logical in W8771 / R8771C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8771 / R8771C24: got '20'
## Warning: Expecting logical in Y8771 / R8771C25: got 'ug/L'
## Warning: Expecting logical in M8772 / R8772C13: got '7440-36-0'
## Warning: Expecting logical in W8772 / R8772C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8772 / R8772C24: got '5'
## Warning: Expecting logical in Y8772 / R8772C25: got 'ug/L'
## Warning: Expecting logical in M8773 / R8773C13: got '96-12-8'
## Warning: Expecting logical in W8773 / R8773C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8773 / R8773C24: got '0.5'
## Warning: Expecting logical in Y8773 / R8773C25: got 'ug/L'
## Warning: Expecting logical in M8774 / R8774C13: got '106-43-4'
## Warning: Expecting logical in W8774 / R8774C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8774 / R8774C24: got '0.5'
## Warning: Expecting logical in Y8774 / R8774C25: got 'ug/L'
## Warning: Expecting logical in M8775 / R8775C13: got '79-01-6'
## Warning: Expecting logical in W8775 / R8775C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8775 / R8775C24: got '0.5'
## Warning: Expecting logical in Y8775 / R8775C25: got 'ug/L'
## Warning: Expecting logical in M8776 / R8776C13: got '594-20-7'
## Warning: Expecting logical in W8776 / R8776C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8776 / R8776C24: got '0.5'
## Warning: Expecting logical in Y8776 / R8776C25: got 'ug/L'
## Warning: Expecting logical in M8777 / R8777C13: got '7782-49-2'
## Warning: Expecting logical in W8777 / R8777C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8777 / R8777C24: got '5'
## Warning: Expecting logical in Y8777 / R8777C25: got 'ug/L'
## Warning: Expecting logical in M8778 / R8778C13: got '7440-38-2'
## Warning: Expecting logical in W8778 / R8778C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8778 / R8778C24: got '80'
## Warning: Expecting logical in Y8778 / R8778C25: got 'ug/L'
## Warning: Expecting logical in M8779 / R8779C13: got '87-68-3'
## Warning: Expecting logical in W8779 / R8779C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8779 / R8779C24: got '0.5'
## Warning: Expecting logical in Y8779 / R8779C25: got 'ug/L'
## Warning: Expecting logical in M8780 / R8780C13: got '25735-29-9'
## Warning: Expecting logical in W8780 / R8780C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8780 / R8780C24: got '0.5'
## Warning: Expecting logical in Y8780 / R8780C25: got 'ug/L'
## Warning: Expecting logical in M8781 / R8781C13: got '100-42-5'
## Warning: Expecting logical in W8781 / R8781C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8781 / R8781C24: got '0.5'
## Warning: Expecting logical in Y8781 / R8781C25: got 'ug/L'
## Warning: Expecting logical in M8782 / R8782C13: got '78-87-5'
## Warning: Expecting logical in W8782 / R8782C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8782 / R8782C24: got '0.5'
## Warning: Expecting logical in Y8782 / R8782C25: got 'ug/L'
## Warning: Expecting logical in M8783 / R8783C13: got '156-60-5'
## Warning: Expecting logical in W8783 / R8783C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8783 / R8783C24: got '0.5'
## Warning: Expecting logical in Y8783 / R8783C25: got 'ug/L'
## Warning: Expecting logical in M8784 / R8784C13: got '75-69-4'
## Warning: Expecting logical in W8784 / R8784C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8784 / R8784C24: got '0.5'
## Warning: Expecting logical in Y8784 / R8784C25: got 'ug/L'
## Warning: Expecting logical in M8785 / R8785C13: got '75-01-4'
## Warning: Expecting logical in W8785 / R8785C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8785 / R8785C24: got '0.5'
## Warning: Expecting logical in Y8785 / R8785C25: got 'ug/L'
## Warning: Expecting logical in M8786 / R8786C13: got '7440-02-0'
## Warning: Expecting logical in W8786 / R8786C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8786 / R8786C24: got '10'
## Warning: Expecting logical in Y8786 / R8786C25: got 'ug/L'
## Warning: Expecting logical in M8787 / R8787C13: got '7439-95-4'
## Warning: Expecting logical in M8788 / R8788C13: got '7440-48-4'
```

```
## Warning: Expecting logical in W8788 / R8788C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8788 / R8788C24: got '10'
## Warning: Expecting logical in Y8788 / R8788C25: got 'ug/L'
## Warning: Expecting logical in M8789 / R8789C13: got '7723-14-0'
## Warning: Expecting logical in R8789 / R8789C18: got 'as P'
## Warning: Expecting logical in M8790 / R8790C13: got '98-06-6'
## Warning: Expecting logical in W8790 / R8790C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8790 / R8790C24: got '0.5'
## Warning: Expecting logical in Y8790 / R8790C25: got 'ug/L'
## Warning: Expecting logical in M8791 / R8791C13: got '95-49-8'
## Warning: Expecting logical in W8791 / R8791C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8791 / R8791C24: got '0.5'
## Warning: Expecting logical in Y8791 / R8791C25: got 'ug/L'
## Warning: Expecting logical in M8792 / R8792C13: got '79-34-5'
## Warning: Expecting logical in W8792 / R8792C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8792 / R8792C24: got '0.5'
## Warning: Expecting logical in Y8792 / R8792C25: got 'ug/L'
## Warning: Expecting logical in M8793 / R8793C13: got '10061-02-6'
## Warning: Expecting logical in W8793 / R8793C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8793 / R8793C24: got '0.5'
## Warning: Expecting logical in Y8793 / R8793C25: got 'ug/L'
## Warning: Expecting logical in M8794 / R8794C13: got '107-06-2'
## Warning: Expecting logical in W8794 / R8794C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8794 / R8794C24: got '0.5'
```

```
## Warning: Expecting logical in Y8794 / R8794C25: got 'ug/L'
## Warning: Expecting logical in M8795 / R8795C13: got '75-00-3'
## Warning: Expecting logical in W8795 / R8795C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8795 / R8795C24: got '0.5'
## Warning: Expecting logical in Y8795 / R8795C25: got 'ug/L'
## Warning: Expecting logical in M8796 / R8796C13: got '71-55-6'
## Warning: Expecting logical in W8796 / R8796C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8796 / R8796C24: got '0.5'
## Warning: Expecting logical in Y8796 / R8796C25: got 'ug/L'
## Warning: Expecting logical in M8797 / R8797C13: got '7440-32-6'
## Warning: Expecting logical in W8797 / R8797C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8797 / R8797C24: got '10'
## Warning: Expecting logical in Y8797 / R8797C25: got 'ug/L'
## Warning: Expecting logical in M8798 / R8798C13: got '71-43-2'
## Warning: Expecting logical in W8798 / R8798C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8798 / R8798C24: got '0.5'
## Warning: Expecting logical in Y8798 / R8798C25: got 'ug/L'
## Warning: Expecting logical in M8799 / R8799C13: got '142-28-9'
## Warning: Expecting logical in W8799 / R8799C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8799 / R8799C24: got '0.5'
## Warning: Expecting logical in Y8799 / R8799C25: got 'ug/L'
## Warning: Expecting logical in M8800 / R8800C13: got '98-82-8'
## Warning: Expecting logical in W8800 / R8800C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8800 / R8800C24: got '0.5'
```

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## Warning: Expecting logical in Y8800 / R8800C25: got 'ug/L'
## Warning: Expecting logical in M8801 / R8801C13: got '120-82-1'
## Warning: Expecting logical in W8801 / R8801C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8801 / R8801C24: got '0.5'
## Warning: Expecting logical in Y8801 / R8801C25: got 'ug/L'
## Warning: Expecting logical in M8802 / R8802C13: got '7440-66-6'
## Warning: Expecting logical in W8802 / R8802C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8802 / R8802C24: got '20'
## Warning: Expecting logical in Y8802 / R8802C25: got 'ug/L'
## Warning: Expecting logical in M8803 / R8803C13: got '74-87-3'
## Warning: Expecting logical in W8803 / R8803C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8803 / R8803C24: got '0.5'
## Warning: Expecting logical in Y8803 / R8803C25: got 'ug/L'
## Warning: Expecting logical in M8804 / R8804C13: got '14808-79-8'
## Warning: Expecting logical in W8804 / R8804C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8804 / R8804C24: got '10'
## Warning: Expecting logical in Y8804 / R8804C25: got 'mg/L'
## Warning: Expecting logical in M8805 / R8805C13: got '541-73-1'
## Warning: Expecting logical in W8805 / R8805C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8805 / R8805C24: got '0.5'
## Warning: Expecting logical in Y8805 / R8805C25: got 'ug/L'
## Warning: Expecting logical in M8806 / R8806C13: got '108-90-7'
## Warning: Expecting logical in W8806 / R8806C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8806 / R8806C24: got '0.5'
```

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## Warning: Expecting logical in Y8806 / R8806C25: got 'ug/L'
## Warning: Expecting logical in M8807 / R8807C13: got '75-35-4'
## Warning: Expecting logical in W8807 / R8807C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8807 / R8807C24: got '0.5'
## Warning: Expecting logical in Y8807 / R8807C25: got 'ug/L'
## Warning: Expecting logical in M8808 / R8808C13: got '156-59-2'
## Warning: Expecting logical in W8808 / R8808C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8808 / R8808C24: got '0.5'
## Warning: Expecting logical in Y8808 / R8808C25: got 'ug/L'
## Warning: Expecting logical in M8809 / R8809C13: got '75-25-2'
## Warning: Expecting logical in W8809 / R8809C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8809 / R8809C24: got '0.5'
## Warning: Expecting logical in Y8809 / R8809C25: got 'ug/L'
## Warning: Expecting logical in M8810 / R8810C13: got '108-67-8'
## Warning: Expecting logical in W8810 / R8810C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8810 / R8810C24: got '0.5'
## Warning: Expecting logical in Y8810 / R8810C25: got 'ug/L'
## Warning: Expecting logical in M8811 / R8811C13: got '7440-43-9'
## Warning: Expecting logical in W8811 / R8811C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8811 / R8811C24: got '10'
## Warning: Expecting logical in Y8811 / R8811C25: got 'ug/L'
## Warning: Expecting logical in M8812 / R8812C13: got '7440-22-4'
## Warning: Expecting logical in W8812 / R8812C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8812 / R8812C24: got '10'
```

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## Warning: Expecting logical in Y8812 / R8812C25: got 'ug/L'
## Warning: Expecting logical in M8813 / R8813C13: got '7440-38-2'
## Warning: Expecting logical in W8813 / R8813C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8813 / R8813C24: got '5'
## Warning: Expecting logical in Y8813 / R8813C25: got 'ug/L'
## Warning: Expecting logical in M8814 / R8814C13: got '7440-23-5'
## Warning: Expecting logical in M8815 / R8815C13: got '127-18-4'
## Warning: Expecting logical in W8815 / R8815C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8815 / R8815C24: got '0.5'
## Warning: Expecting logical in Y8815 / R8815C25: got 'ug/L'
## Warning: Expecting logical in M8816 / R8816C13: got '75-34-3'
## Warning: Expecting logical in W8816 / R8816C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8816 / R8816C24: got '0.5'
## Warning: Expecting logical in Y8816 / R8816C25: got 'ug/L'
## Warning: Expecting logical in M8817 / R8817C13: got '124-48-1'
## Warning: Expecting logical in W8817 / R8817C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8817 / R8817C24: got '0.5'
## Warning: Expecting logical in Y8817 / R8817C25: got 'ug/L'
## Warning: Expecting logical in M8818 / R8818C13: got '74-97-5'
## Warning: Expecting logical in W8818 / R8818C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8818 / R8818C24: got '0.5'
## Warning: Expecting logical in Y8818 / R8818C25: got 'ug/L'
## Warning: Expecting logical in M8819 / R8819C13: got '7439-96-5'
## Warning: Expecting logical in M8820 / R8820C13: got '16887-00-6'
```

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## Warning: Expecting logical in W8820 / R8820C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8820 / R8820C24: got '10'
## Warning: Expecting logical in Y8820 / R8820C25: got 'mg/L'
## Warning: Expecting logical in M8821 / R8821C13: got '7439-92-1'
## Warning: Expecting logical in W8821 / R8821C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8821 / R8821C24: got '90'
## Warning: Expecting logical in Y8821 / R8821C25: got 'ug/L'
## Warning: Expecting logical in M8822 / R8822C13: got '1634-04-4'
## Warning: Expecting logical in W8822 / R8822C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8822 / R8822C24: got '0.5'
## Warning: Expecting logical in Y8822 / R8822C25: got 'ug/L'
## Warning: Expecting logical in M8823 / R8823C13: got '75-27-4'
## Warning: Expecting logical in W8823 / R8823C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8823 / R8823C24: got '0.5'
## Warning: Expecting logical in Y8823 / R8823C25: got 'ug/L'
## Warning: Expecting logical in M8824 / R8824C13: got '56-23-5'
## Warning: Expecting logical in W8824 / R8824C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8824 / R8824C24: got '0.5'
## Warning: Expecting logical in Y8824 / R8824C25: got 'ug/L'
## Warning: Expecting logical in M8825 / R8825C13: got '10061-01-5'
## Warning: Expecting logical in W8825 / R8825C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8825 / R8825C24: got '0.5'
## Warning: Expecting logical in Y8825 / R8825C25: got 'ug/L'
## Warning: Expecting logical in M8826 / R8826C13: got '100-41-4'
```

```
## Warning: Expecting logical in W8826 / R8826C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8826 / R8826C24: got '0.5'
## Warning: Expecting logical in Y8826 / R8826C25: got 'ug/L'
## Warning: Expecting logical in M8827 / R8827C13: got '99-87-6'
## Warning: Expecting logical in W8827 / R8827C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8827 / R8827C24: got '0.5'
## Warning: Expecting logical in Y8827 / R8827C25: got 'ug/L'
## Warning: Expecting logical in M8828 / R8828C13: got '16984-48-8'
## Warning: Expecting logical in W8828 / R8828C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8828 / R8828C24: got '0.20'
## Warning: Expecting logical in Y8828 / R8828C25: got 'mg/L'
## Warning: Expecting logical in M8829 / R8829C13: got '7440-47-3'
## Warning: Expecting logical in W8829 / R8829C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8829 / R8829C24: got '5'
## Warning: Expecting logical in Y8829 / R8829C25: got 'ug/L'
## Warning: Expecting logical in M8830 / R8830C13: got '7439-98-7'
## Warning: Expecting logical in W8830 / R8830C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8830 / R8830C24: got '5'
## Warning: Expecting logical in Y8830 / R8830C25: got 'ug/L'
## Warning: Expecting logical in M8831 / R8831C13: got '7440-62-2'
## Warning: Expecting logical in W8831 / R8831C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8831 / R8831C24: got '10'
## Warning: Expecting logical in Y8831 / R8831C25: got 'ug/L'
## Warning: Expecting logical in M8832 / R8832C13: got '563-58-6'
```

```
## Warning: Expecting logical in W8832 / R8832C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8832 / R8832C24: got '0.5'
## Warning: Expecting logical in Y8832 / R8832C25: got 'ug/L'
## Warning: Expecting logical in M8833 / R8833C13: got '75-71-8'
## Warning: Expecting logical in W8833 / R8833C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8833 / R8833C24: got '0.5'
## Warning: Expecting logical in Y8833 / R8833C25: got 'ug/L'
## Warning: Expecting logical in M8834 / R8834C13: got '74-83-9'
## Warning: Expecting logical in W8834 / R8834C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8834 / R8834C24: got '0.5'
## Warning: Expecting logical in Y8834 / R8834C25: got 'ug/L'
## Warning: Expecting logical in M8835 / R8835C13: got '106-93-4'
## Warning: Expecting logical in W8835 / R8835C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8835 / R8835C24: got '0.5'
## Warning: Expecting logical in Y8835 / R8835C25: got 'ug/L'
## Warning: Expecting logical in M8836 / R8836C13: got '135-98-8'
## Warning: Expecting logical in W8836 / R8836C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8836 / R8836C24: got '0.5'
## Warning: Expecting logical in Y8836 / R8836C25: got 'ug/L'
## Warning: Expecting logical in M8837 / R8837C13: got '106-46-7'
## Warning: Expecting logical in W8837 / R8837C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8837 / R8837C24: got '0.5'
## Warning: Expecting logical in Y8837 / R8837C25: got 'ug/L'
## Warning: Expecting logical in M8838 / R8838C13: got '7429-90-5'
```

```
## Warning: Expecting logical in W8838 / R8838C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8838 / R8838C24: got '50'
## Warning: Expecting logical in Y8838 / R8838C25: got 'ug/L'
## Warning: Expecting logical in M8839 / R8839C13: got '7440-43-9'
## Warning: Expecting logical in W8839 / R8839C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8839 / R8839C24: got '0.7'
## Warning: Expecting logical in Y8839 / R8839C25: got 'ug/L'
## Warning: Expecting logical in M8840 / R8840C13: got '7440-28-0'
## Warning: Expecting logical in W8840 / R8840C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8840 / R8840C24: got '1'
## Warning: Expecting logical in Y8840 / R8840C25: got 'ug/L'
## Warning: Expecting logical in M8841 / R8841C13: got '7440-66-6'
## Warning: Expecting logical in M8842 / R8842C13: got '7440-31-5'
## Warning: Expecting logical in W8842 / R8842C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8842 / R8842C24: got '30'
## Warning: Expecting logical in Y8842 / R8842C25: got 'ug/L'
## Warning: Expecting logical in M8843 / R8843C13: got '7439-92-1'
## Warning: Expecting logical in M8844 / R8844C13: got '7440-28-0'
## Warning: Expecting logical in W8844 / R8844C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8844 / R8844C24: got '200'
## Warning: Expecting logical in Y8844 / R8844C25: got 'ug/L'
## Warning: Expecting logical in M8845 / R8845C13: got '7440-09-7'
## Warning: Expecting logical in W8845 / R8845C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8845 / R8845C24: got '5000'
```

```
## Warning: Expecting logical in Y8845 / R8845C25: got 'ug/L'
## Warning: Expecting logical in M8846 / R8846C13: got '7440-50-8'
## Warning: Expecting logical in M8847 / R8847C13: got '7440-41-7'
## Warning: Expecting logical in W8847 / R8847C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8847 / R8847C24: got '10'
## Warning: Expecting logical in Y8847 / R8847C25: got 'ug/L'
## Warning: Expecting logical in M8848 / R8848C13: got '7429-90-5'
## Warning: Expecting logical in W8848 / R8848C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8848 / R8848C24: got '100'
## Warning: Expecting logical in Y8848 / R8848C25: got 'ug/L'
## Warning: Expecting logical in M8849 / R8849C13: got '7440-02-0'
## Warning: Expecting logical in W8849 / R8849C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8849 / R8849C24: got '20'
## Warning: Expecting logical in Y8849 / R8849C25: got 'ug/L'
## Warning: Expecting logical in M8850 / R8850C13: got '7440-39-3'
## Warning: Expecting logical in M8851 / R8851C13: got '7440-36-0'
## Warning: Expecting logical in W8851 / R8851C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8851 / R8851C24: got '120'
## Warning: Expecting logical in Y8851 / R8851C25: got 'ug/L'
## Warning: Expecting logical in M8852 / R8852C13: got '91-20-3'
## Warning: Expecting logical in W8852 / R8852C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8852 / R8852C24: got '0.5'
## Warning: Expecting logical in Y8852 / R8852C25: got 'ug/L'
## Warning: Expecting logical in M8853 / R8853C13: got '95-63-6'
```

```
## Warning: Expecting logical in W8853 / R8853C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8853 / R8853C24: got '0.5'
## Warning: Expecting logical in Y8853 / R8853C25: got 'ug/L'
## Warning: Expecting logical in M8854 / R8854C13: got '103-65-1'
## Warning: Expecting logical in W8854 / R8854C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8854 / R8854C24: got '0.5'
## Warning: Expecting logical in Y8854 / R8854C25: got 'ug/L'
## Warning: Expecting logical in M8855 / R8855C13: got '79-00-5'
## Warning: Expecting logical in W8855 / R8855C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8855 / R8855C24: got '0.5'
## Warning: Expecting logical in Y8855 / R8855C25: got 'ug/L'
## Warning: Expecting logical in M8856 / R8856C13: got '95-50-1'
## Warning: Expecting logical in W8856 / R8856C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8856 / R8856C24: got '0.5'
## Warning: Expecting logical in Y8856 / R8856C25: got 'ug/L'
## Warning: Expecting logical in M8857 / R8857C13: got '7440-47-3'
## Warning: Expecting logical in W8857 / R8857C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8857 / R8857C24: got '20'
## Warning: Expecting logical in Y8857 / R8857C25: got 'ug/L'
## Warning: Expecting logical in M8858 / R8858C13: got '7440-22-4'
## Warning: Expecting logical in W8858 / R8858C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8858 / R8858C24: got '5'
## Warning: Expecting logical in Y8858 / R8858C25: got 'ug/L'
## Warning: Expecting logical in M8859 / R8859C13: got '74-95-3'
```

```
## Warning: Expecting logical in W8859 / R8859C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8859 / R8859C24: got '0.5'
## Warning: Expecting logical in Y8859 / R8859C25: got 'ug/L'
## Warning: Expecting logical in M8860 / R8860C13: got '108-88-3'
## Warning: Expecting logical in W8860 / R8860C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8860 / R8860C24: got '0.5'
## Warning: Expecting logical in Y8860 / R8860C25: got 'ug/L'
## Warning: Expecting logical in M8861 / R8861C13: got '1330-20-7'
## Warning: Expecting logical in W8861 / R8861C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8861 / R8861C24: got '0.50'
## Warning: Expecting logical in Y8861 / R8861C25: got 'ug/L'
## Warning: Expecting logical in M8862 / R8862C13: got '108-86-1'
## Warning: Expecting logical in W8862 / R8862C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8862 / R8862C24: got '0.5'
## Warning: Expecting logical in Y8862 / R8862C25: got 'ug/L'
## Warning: Expecting logical in M8863 / R8863C13: got '104-51-8'
## Warning: Expecting logical in W8863 / R8863C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8863 / R8863C24: got '0.5'
## Warning: Expecting logical in Y8863 / R8863C25: got 'ug/L'
## Warning: Expecting logical in R8864 / R8864C18: got 'as N'
## Warning: Expecting logical in M8865 / R8865C13: got '75-09-2'
## Warning: Expecting logical in W8865 / R8865C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8865 / R8865C24: got '0.5'
## Warning: Expecting logical in Y8865 / R8865C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8866 / R8866C13: got '630-20-6'
## Warning: Expecting logical in W8866 / R8866C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8866 / R8866C24: got '0.5'
## Warning: Expecting logical in Y8866 / R8866C25: got 'ug/L'
## Warning: Expecting logical in M8867 / R8867C13: got '87-61-6'
## Warning: Expecting logical in W8867 / R8867C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8867 / R8867C24: got '0.5'
## Warning: Expecting logical in Y8867 / R8867C25: got 'ug/L'
## Warning: Expecting logical in M8868 / R8868C13: got '7440-50-8'
## Warning: Expecting logical in W8868 / R8868C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8868 / R8868C24: got '20'
## Warning: Expecting logical in Y8868 / R8868C25: got 'ug/L'
## Warning: Expecting logical in M8869 / R8869C13: got '7440-70-2'
## Warning: Expecting logical in M8870 / R8870C13: got '7440-61-1'
## Warning: Expecting logical in M8871 / R8871C13: got '1634-04-4'
## Warning: Expecting logical in W8871 / R8871C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8871 / R8871C24: got '0.5'
## Warning: Expecting logical in Y8871 / R8871C25: got 'ug/L'
## Warning: Expecting logical in M8872 / R8872C13: got '104-51-8'
## Warning: Expecting logical in W8872 / R8872C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8872 / R8872C24: got '0.5'
## Warning: Expecting logical in Y8872 / R8872C25: got 'ug/L'
## Warning: Expecting logical in M8873 / R8873C13: got '108-90-7'
## Warning: Expecting logical in W8873 / R8873C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8873 / R8873C24: got '0.5'
## Warning: Expecting logical in Y8873 / R8873C25: got 'ug/L'
## Warning: Expecting logical in M8874 / R8874C13: got '108-88-3'
## Warning: Expecting logical in W8874 / R8874C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8874 / R8874C24: got '0.5'
## Warning: Expecting logical in Y8874 / R8874C25: got 'ug/L'
## Warning: Expecting logical in M8875 / R8875C13: got '156-59-2'
## Warning: Expecting logical in W8875 / R8875C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8875 / R8875C24: got '0.5'
## Warning: Expecting logical in Y8875 / R8875C25: got 'ug/L'
## Warning: Expecting logical in M8876 / R8876C13: got '7440-47-3'
## Warning: Expecting logical in W8876 / R8876C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8876 / R8876C24: got '20'
## Warning: Expecting logical in Y8876 / R8876C25: got 'ug/L'
## Warning: Expecting logical in M8877 / R8877C13: got '7440-32-6'
## Warning: Expecting logical in W8877 / R8877C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8877 / R8877C24: got '10'
## Warning: Expecting logical in Y8877 / R8877C25: got 'ug/L'
## Warning: Expecting logical in M8878 / R8878C13: got '7440-43-9'
## Warning: Expecting logical in W8878 / R8878C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8878 / R8878C24: got '0.7'
## Warning: Expecting logical in Y8878 / R8878C25: got 'ug/L'
## Warning: Expecting logical in M8879 / R8879C13: got '7440-28-0'
## Warning: Expecting logical in W8879 / R8879C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X8879 / R8879C24: got '200'
## Warning: Expecting logical in Y8879 / R8879C25: got 'ug/L'
## Warning: Expecting logical in M8880 / R8880C13: got '7440-36-0'
## Warning: Expecting logical in W8880 / R8880C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8880 / R8880C24: got '5'
## Warning: Expecting logical in Y8880 / R8880C25: got 'ug/L'
## Warning: Expecting logical in M8881 / R8881C13: got '75-71-8'
## Warning: Expecting logical in W8881 / R8881C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8881 / R8881C24: got '0.5'
## Warning: Expecting logical in Y8881 / R8881C25: got 'ug/L'
## Warning: Expecting logical in M8882 / R8882C13: got '7440-70-2'
## Warning: Expecting logical in M8883 / R8883C13: got '7439-92-1'
## Warning: Expecting logical in W8883 / R8883C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8883 / R8883C24: got '1'
## Warning: Expecting logical in Y8883 / R8883C25: got 'ug/L'
## Warning: Expecting logical in M8884 / R8884C13: got '7440-31-5'
## Warning: Expecting logical in W8884 / R8884C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8884 / R8884C24: got '30'
## Warning: Expecting logical in Y8884 / R8884C25: got 'ug/L'
## Warning: Expecting logical in M8885 / R8885C13: got '75-69-4'
## Warning: Expecting logical in W8885 / R8885C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8885 / R8885C24: got '0.5'
## Warning: Expecting logical in Y8885 / R8885C25: got 'ug/L'
## Warning: Expecting logical in M8886 / R8886C13: got '563-58-6'
```

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## Warning: Expecting logical in W8886 / R8886C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8886 / R8886C24: got '0.5'
## Warning: Expecting logical in Y8886 / R8886C25: got 'ug/L'
## Warning: Expecting logical in M8887 / R8887C13: got '78-87-5'
## Warning: Expecting logical in W8887 / R8887C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8887 / R8887C24: got '0.5'
## Warning: Expecting logical in Y8887 / R8887C25: got 'ug/L'
## Warning: Expecting logical in M8888 / R8888C13: got '10061-02-6'
## Warning: Expecting logical in W8888 / R8888C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8888 / R8888C24: got '0.5'
## Warning: Expecting logical in Y8888 / R8888C25: got 'ug/L'
## Warning: Expecting logical in M8889 / R8889C13: got '630-20-6'
## Warning: Expecting logical in W8889 / R8889C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8889 / R8889C24: got '0.5'
## Warning: Expecting logical in Y8889 / R8889C25: got 'ug/L'
## Warning: Expecting logical in M8890 / R8890C13: got '156-60-5'
## Warning: Expecting logical in W8890 / R8890C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8890 / R8890C24: got '0.5'
## Warning: Expecting logical in Y8890 / R8890C25: got 'ug/L'
## Warning: Expecting logical in M8891 / R8891C13: got '127-18-4'
## Warning: Expecting logical in W8891 / R8891C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8891 / R8891C24: got '0.5'
## Warning: Expecting logical in Y8891 / R8891C25: got 'ug/L'
## Warning: Expecting logical in M8892 / R8892C13: got '106-43-4'
```

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## Warning: Expecting logical in W8892 / R8892C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8892 / R8892C24: got '0.5'
## Warning: Expecting logical in Y8892 / R8892C25: got 'ug/L'
## Warning: Expecting logical in M8893 / R8893C13: got '7440-39-3'
## Warning: Expecting logical in M8894 / R8894C13: got '7782-49-2'
## Warning: Expecting logical in W8894 / R8894C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8894 / R8894C24: got '5'
## Warning: Expecting logical in Y8894 / R8894C25: got 'ug/L'
## Warning: Expecting logical in M8895 / R8895C13: got '98-06-6'
## Warning: Expecting logical in W8895 / R8895C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8895 / R8895C24: got '0.5'
## Warning: Expecting logical in Y8895 / R8895C25: got 'ug/L'
## Warning: Expecting logical in M8896 / R8896C13: got '7723-14-0'
## Warning: Expecting logical in R8896 / R8896C18: got 'as P'
## Warning: Expecting logical in M8897 / R8897C13: got '71-55-6'
## Warning: Expecting logical in W8897 / R8897C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8897 / R8897C24: got '0.5'
## Warning: Expecting logical in Y8897 / R8897C25: got 'ug/L'
## Warning: Expecting logical in M8898 / R8898C13: got '99-87-6'
## Warning: Expecting logical in W8898 / R8898C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8898 / R8898C24: got '0.5'
## Warning: Expecting logical in Y8898 / R8898C25: got 'ug/L'
## Warning: Expecting logical in M8899 / R8899C13: got '7439-92-1'
## Warning: Expecting logical in W8899 / R8899C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8899 / R8899C24: got '90'
## Warning: Expecting logical in Y8899 / R8899C25: got 'ug/L'
## Warning: Expecting logical in M8900 / R8900C13: got '14808-79-8'
## Warning: Expecting logical in M8901 / R8901C13: got '7429-90-5'
## Warning: Expecting logical in W8901 / R8901C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8901 / R8901C24: got '100'
## Warning: Expecting logical in Y8901 / R8901C25: got 'ug/L'
## Warning: Expecting logical in R8902 / R8902C18: got 'as N'
## Warning: Expecting logical in M8903 / R8903C13: got '95-63-6'
## Warning: Expecting logical in W8903 / R8903C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8903 / R8903C24: got '0.5'
## Warning: Expecting logical in Y8903 / R8903C25: got 'ug/L'
## Warning: Expecting logical in M8904 / R8904C13: got '103-65-1'
## Warning: Expecting logical in W8904 / R8904C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8904 / R8904C24: got '0.5'
## Warning: Expecting logical in Y8904 / R8904C25: got 'ug/L'
## Warning: Expecting logical in M8905 / R8905C13: got '75-25-2'
## Warning: Expecting logical in W8905 / R8905C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8905 / R8905C24: got '0.5'
## Warning: Expecting logical in Y8905 / R8905C25: got 'ug/L'
## Warning: Expecting logical in M8906 / R8906C13: got '7440-23-5'
## Warning: Expecting logical in M8907 / R8907C13: got '7429-90-5'
## Warning: Expecting logical in W8907 / R8907C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8907 / R8907C24: got '50'
```

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## Warning: Expecting logical in Y8907 / R8907C25: got 'ug/L'
## Warning: Expecting logical in M8908 / R8908C13: got '7440-38-2'
## Warning: Expecting logical in W8908 / R8908C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8908 / R8908C24: got '80'
## Warning: Expecting logical in Y8908 / R8908C25: got 'ug/L'
## Warning: Expecting logical in M8909 / R8909C13: got '96-12-8'
## Warning: Expecting logical in W8909 / R8909C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8909 / R8909C24: got '0.5'
## Warning: Expecting logical in Y8909 / R8909C25: got 'ug/L'
## Warning: Expecting logical in M8910 / R8910C13: got '108-67-8'
## Warning: Expecting logical in W8910 / R8910C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8910 / R8910C24: got '0.5'
## Warning: Expecting logical in Y8910 / R8910C25: got 'ug/L'
## Warning: Expecting logical in M8911 / R8911C13: got '75-35-4'
## Warning: Expecting logical in W8911 / R8911C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8911 / R8911C24: got '0.5'
## Warning: Expecting logical in Y8911 / R8911C25: got 'ug/L'
## Warning: Expecting logical in M8912 / R8912C13: got '10061-01-5'
## Warning: Expecting logical in W8912 / R8912C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8912 / R8912C24: got '0.5'
## Warning: Expecting logical in Y8912 / R8912C25: got 'ug/L'
## Warning: Expecting logical in M8913 / R8913C13: got '25735-29-9'
## Warning: Expecting logical in W8913 / R8913C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8913 / R8913C24: got '0.5'
```

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## Warning: Expecting logical in Y8913 / R8913C25: got 'ug/L'
## Warning: Expecting logical in M8914 / R8914C13: got '87-68-3'
## Warning: Expecting logical in W8914 / R8914C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8914 / R8914C24: got '0.5'
## Warning: Expecting logical in Y8914 / R8914C25: got 'ug/L'
## Warning: Expecting logical in M8915 / R8915C13: got '16984-48-8'
## Warning: Expecting logical in W8915 / R8915C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8915 / R8915C24: got '0.20'
## Warning: Expecting logical in Y8915 / R8915C25: got 'mg/L'
## Warning: Expecting logical in M8916 / R8916C13: got '7440-39-3'
## Warning: Expecting logical in M8917 / R8917C13: got '7439-98-7'
## Warning: Expecting logical in W8917 / R8917C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8917 / R8917C24: got '5'
## Warning: Expecting logical in Y8917 / R8917C25: got 'ug/L'
## Warning: Expecting logical in M8918 / R8918C13: got '142-28-9'
## Warning: Expecting logical in W8918 / R8918C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8918 / R8918C24: got '0.5'
## Warning: Expecting logical in Y8918 / R8918C25: got 'ug/L'
## Warning: Expecting logical in M8919 / R8919C13: got '71-43-2'
## Warning: Expecting logical in W8919 / R8919C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8919 / R8919C24: got '0.5'
## Warning: Expecting logical in Y8919 / R8919C25: got 'ug/L'
## Warning: Expecting logical in M8920 / R8920C13: got '56-23-5'
## Warning: Expecting logical in W8920 / R8920C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8920 / R8920C24: got '0.5'
## Warning: Expecting logical in Y8920 / R8920C25: got 'ug/L'
## Warning: Expecting logical in M8921 / R8921C13: got '74-95-3'
## Warning: Expecting logical in W8921 / R8921C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8921 / R8921C24: got '0.5'
## Warning: Expecting logical in Y8921 / R8921C25: got 'ug/L'
## Warning: Expecting logical in M8922 / R8922C13: got '79-00-5'
## Warning: Expecting logical in W8922 / R8922C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8922 / R8922C24: got '0.5'
## Warning: Expecting logical in Y8922 / R8922C25: got 'ug/L'
## Warning: Expecting logical in M8923 / R8923C13: got '74-83-9'
## Warning: Expecting logical in W8923 / R8923C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8923 / R8923C24: got '0.5'
## Warning: Expecting logical in Y8923 / R8923C25: got 'ug/L'
## Warning: Expecting logical in M8924 / R8924C13: got '594-20-7'
## Warning: Expecting logical in W8924 / R8924C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8924 / R8924C24: got '0.5'
## Warning: Expecting logical in Y8924 / R8924C25: got 'ug/L'
## Warning: Expecting logical in M8925 / R8925C13: got '106-93-4'
## Warning: Expecting logical in W8925 / R8925C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8925 / R8925C24: got '0.5'
## Warning: Expecting logical in Y8925 / R8925C25: got 'ug/L'
## Warning: Expecting logical in M8926 / R8926C13: got '7440-02-0'
## Warning: Expecting logical in W8926 / R8926C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8926 / R8926C24: got '10'
## Warning: Expecting logical in Y8926 / R8926C25: got 'ug/L'
## Warning: Expecting logical in M8927 / R8927C13: got '7440-41-7'
## Warning: Expecting logical in W8927 / R8927C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8927 / R8927C24: got '10'
## Warning: Expecting logical in Y8927 / R8927C25: got 'ug/L'
## Warning: Expecting logical in M8928 / R8928C13: got '7440-50-8'
## Warning: Expecting logical in W8928 / R8928C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8928 / R8928C24: got '20'
## Warning: Expecting logical in Y8928 / R8928C25: got 'ug/L'
## Warning: Expecting logical in M8929 / R8929C13: got '541-73-1'
## Warning: Expecting logical in W8929 / R8929C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8929 / R8929C24: got '0.5'
## Warning: Expecting logical in Y8929 / R8929C25: got 'ug/L'
## Warning: Expecting logical in M8930 / R8930C13: got '79-34-5'
## Warning: Expecting logical in W8930 / R8930C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8930 / R8930C24: got '0.5'
## Warning: Expecting logical in Y8930 / R8930C25: got 'ug/L'
## Warning: Expecting logical in M8931 / R8931C13: got '67-66-3'
## Warning: Expecting logical in W8931 / R8931C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8931 / R8931C24: got '0.5'
## Warning: Expecting logical in Y8931 / R8931C25: got 'ug/L'
## Warning: Expecting logical in M8932 / R8932C13: got '7440-62-2'
## Warning: Expecting logical in W8932 / R8932C23: got 'Lower Reporting Limit'
```

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## Warning: Expecting logical in X8932 / R8932C24: got '10'
## Warning: Expecting logical in Y8932 / R8932C25: got 'ug/L'
## Warning: Expecting logical in M8933 / R8933C13: got '7440-28-0'
## Warning: Expecting logical in W8933 / R8933C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8933 / R8933C24: got '1'
## Warning: Expecting logical in Y8933 / R8933C25: got 'ug/L'
## Warning: Expecting logical in M8934 / R8934C13: got '7439-89-6'
## Warning: Expecting logical in M8935 / R8935C13: got '7782-49-2'
## Warning: Expecting logical in W8935 / R8935C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8935 / R8935C24: got '190'
## Warning: Expecting logical in Y8935 / R8935C25: got 'ug/L'
## Warning: Expecting logical in M8936 / R8936C13: got '7440-43-9'
## Warning: Expecting logical in W8936 / R8936C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8936 / R8936C24: got '10'
## Warning: Expecting logical in Y8936 / R8936C25: got 'ug/L'
## Warning: Expecting logical in M8937 / R8937C13: got '87-61-6'
## Warning: Expecting logical in W8937 / R8937C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8937 / R8937C24: got '0.5'
## Warning: Expecting logical in Y8937 / R8937C25: got 'ug/L'
## Warning: Expecting logical in M8938 / R8938C13: got '135-98-8'
## Warning: Expecting logical in W8938 / R8938C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8938 / R8938C24: got '0.5'
## Warning: Expecting logical in Y8938 / R8938C25: got 'ug/L'
## Warning: Expecting logical in M8939 / R8939C13: got '95-49-8'
```

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## Warning: Expecting logical in W8939 / R8939C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8939 / R8939C24: got '0.5'
## Warning: Expecting logical in Y8939 / R8939C25: got 'ug/L'
## Warning: Expecting logical in M8940 / R8940C13: got '98-82-8'
## Warning: Expecting logical in W8940 / R8940C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8940 / R8940C24: got '0.5'
## Warning: Expecting logical in Y8940 / R8940C25: got 'ug/L'
## Warning: Expecting logical in M8941 / R8941C13: got '74-97-5'
## Warning: Expecting logical in W8941 / R8941C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8941 / R8941C24: got '0.5'
## Warning: Expecting logical in Y8941 / R8941C25: got 'ug/L'
## Warning: Expecting logical in M8942 / R8942C13: got '75-00-3'
## Warning: Expecting logical in W8942 / R8942C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8942 / R8942C24: got '0.5'
## Warning: Expecting logical in Y8942 / R8942C25: got 'ug/L'
## Warning: Expecting logical in M8943 / R8943C13: got '124-48-1'
## Warning: Expecting logical in W8943 / R8943C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8943 / R8943C24: got '0.5'
## Warning: Expecting logical in Y8943 / R8943C25: got 'ug/L'
## Warning: Expecting logical in M8944 / R8944C13: got '100-41-4'
## Warning: Expecting logical in W8944 / R8944C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8944 / R8944C24: got '0.5'
## Warning: Expecting logical in Y8944 / R8944C25: got 'ug/L'
## Warning: Expecting logical in M8945 / R8945C13: got '7439-95-4'
```

```
## Warning: Expecting logical in M8946 / R8946C13: got '7440-47-3'
## Warning: Expecting logical in W8946 / R8946C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8946 / R8946C24: got '5'
## Warning: Expecting logical in Y8946 / R8946C25: got 'ug/L'
## Warning: Expecting logical in M8947 / R8947C13: got '7440-38-2'
## Warning: Expecting logical in W8947 / R8947C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8947 / R8947C24: got '5'
## Warning: Expecting logical in Y8947 / R8947C25: got 'ug/L'
## Warning: Expecting logical in M8948 / R8948C13: got '120-82-1'
## Warning: Expecting logical in W8948 / R8948C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8948 / R8948C24: got '0.5'
## Warning: Expecting logical in Y8948 / R8948C25: got 'ug/L'
## Warning: Expecting logical in M8949 / R8949C13: got '106-46-7'
## Warning: Expecting logical in W8949 / R8949C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8949 / R8949C24: got '0.5'
## Warning: Expecting logical in Y8949 / R8949C25: got 'ug/L'
## Warning: Expecting logical in M8950 / R8950C13: got '7440-02-0'
## Warning: Expecting logical in W8950 / R8950C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8950 / R8950C24: got '20'
## Warning: Expecting logical in Y8950 / R8950C25: got 'ug/L'
## Warning: Expecting logical in M8951 / R8951C13: got '7440-09-7'
## Warning: Expecting logical in W8951 / R8951C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8951 / R8951C24: got '5000'
## Warning: Expecting logical in Y8951 / R8951C25: got 'ug/L'
```

```
## Warning: Expecting logical in M8952 / R8952C13: got '7440-61-1'
## Warning: Expecting logical in M8953 / R8953C13: got '7440-50-8'
## Warning: Expecting logical in W8953 / R8953C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8953 / R8953C24: got '5'
## Warning: Expecting logical in Y8953 / R8953C25: got 'ug/L'
## Warning: Expecting logical in M8954 / R8954C13: got '7440-66-6'
## Warning: Expecting logical in W8954 / R8954C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8954 / R8954C24: got '20'
## Warning: Expecting logical in Y8954 / R8954C25: got 'ug/L'
## Warning: Expecting logical in M8955 / R8955C13: got '100-42-5'
## Warning: Expecting logical in W8955 / R8955C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8955 / R8955C24: got '0.5'
## Warning: Expecting logical in Y8955 / R8955C25: got 'ug/L'
## Warning: Expecting logical in M8956 / R8956C13: got '107-06-2'
## Warning: Expecting logical in W8956 / R8956C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8956 / R8956C24: got '0.5'
## Warning: Expecting logical in Y8956 / R8956C25: got 'ug/L'
## Warning: Expecting logical in M8957 / R8957C13: got '75-34-3'
## Warning: Expecting logical in W8957 / R8957C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8957 / R8957C24: got '0.5'
## Warning: Expecting logical in Y8957 / R8957C25: got 'ug/L'
## Warning: Expecting logical in M8958 / R8958C13: got '75-01-4'
## Warning: Expecting logical in W8958 / R8958C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8958 / R8958C24: got '0.5'
```

```
## Warning: Expecting logical in Y8958 / R8958C25: got 'ug/L'
## Warning: Expecting logical in M8959 / R8959C13: got '74-87-3'
## Warning: Expecting logical in W8959 / R8959C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8959 / R8959C24: got '0.5'
## Warning: Expecting logical in Y8959 / R8959C25: got 'ug/L'
## Warning: Expecting logical in M8960 / R8960C13: got '79-01-6'
## Warning: Expecting logical in W8960 / R8960C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8960 / R8960C24: got '0.5'
## Warning: Expecting logical in Y8960 / R8960C25: got 'ug/L'
## Warning: Expecting logical in M8961 / R8961C13: got '1330-20-7'
## Warning: Expecting logical in W8961 / R8961C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8961 / R8961C24: got '0.50'
## Warning: Expecting logical in Y8961 / R8961C25: got 'ug/L'
## Warning: Expecting logical in M8962 / R8962C13: got '95-50-1'
## Warning: Expecting logical in W8962 / R8962C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8962 / R8962C24: got '0.5'
## Warning: Expecting logical in Y8962 / R8962C25: got 'ug/L'
## Warning: Expecting logical in M8963 / R8963C13: got '7439-96-5'
## Warning: Expecting logical in W8963 / R8963C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8963 / R8963C24: got '10'
## Warning: Expecting logical in Y8963 / R8963C25: got 'ug/L'
## Warning: Expecting logical in M8964 / R8964C13: got '7440-66-6'
## Warning: Expecting logical in W8964 / R8964C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8964 / R8964C24: got '10'
```

```
## Warning: Expecting logical in Y8964 / R8964C25: got 'ug/L'
## Warning: Expecting logical in M8965 / R8965C13: got '7440-22-4'
## Warning: Expecting logical in W8965 / R8965C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8965 / R8965C24: got '5'
## Warning: Expecting logical in Y8965 / R8965C25: got 'ug/L'
## Warning: Expecting logical in M8966 / R8966C13: got '75-09-2'
## Warning: Expecting logical in W8966 / R8966C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8966 / R8966C24: got '0.5'
## Warning: Expecting logical in Y8966 / R8966C25: got 'ug/L'
## Warning: Expecting logical in M8967 / R8967C13: got '16887-00-6'
## Warning: Expecting logical in W8967 / R8967C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8967 / R8967C24: got '10'
## Warning: Expecting logical in Y8967 / R8967C25: got 'mg/L'
## Warning: Expecting logical in M8968 / R8968C13: got '91-20-3'
## Warning: Expecting logical in W8968 / R8968C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8968 / R8968C24: got '0.5'
## Warning: Expecting logical in Y8968 / R8968C25: got 'ug/L'
## Warning: Expecting logical in M8969 / R8969C13: got '108-86-1'
## Warning: Expecting logical in W8969 / R8969C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8969 / R8969C24: got '0.5'
## Warning: Expecting logical in Y8969 / R8969C25: got 'ug/L'
## Warning: Expecting logical in M8970 / R8970C13: got '75-27-4'
## Warning: Expecting logical in W8970 / R8970C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8970 / R8970C24: got '0.5'
```

```
## Warning: Expecting logical in Y8970 / R8970C25: got 'ug/L'
## Warning: Expecting logical in M8971 / R8971C13: got '7440-48-4'
## Warning: Expecting logical in W8971 / R8971C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8971 / R8971C24: got '10'
## Warning: Expecting logical in Y8971 / R8971C25: got 'ug/L'
## Warning: Expecting logical in M8972 / R8972C13: got '7440-22-4'
## Warning: Expecting logical in W8972 / R8972C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8972 / R8972C24: got '10'
## Warning: Expecting logical in Y8972 / R8972C25: got 'ug/L'
## Warning: Expecting logical in M8973 / R8973C13: got '7440-36-0'
## Warning: Expecting logical in W8973 / R8973C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8973 / R8973C24: got '120'
## Warning: Expecting logical in Y8973 / R8973C25: got 'ug/L'
## Warning: Expecting logical in R8974 / R8974C18: got 'as CaCO3'
## Warning: Expecting logical in M8975 / R8975C13: got '7723-14-0'
## Warning: Expecting logical in R8975 / R8975C18: got 'as P'
## Warning: Expecting logical in R8977 / R8977C18: got 'as N'
## Warning: Expecting logical in W8977 / R8977C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8977 / R8977C24: got '0.02'
## Warning: Expecting logical in Y8977 / R8977C25: got 'mg/L'
## Warning: Expecting logical in R8978 / R8978C18: got 'as N'
## Warning: Expecting logical in R8980 / R8980C18: got 'as CaCO3'
## Warning: Expecting logical in W8980 / R8980C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8980 / R8980C24: got '1.0'
```

```
## Warning: Expecting logical in Y8980 / R8980C25: got 'mg/L'
## Warning: Expecting logical in W8985 / R8985C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8985 / R8985C24: got '2.0'
## Warning: Expecting logical in Y8985 / R8985C25: got 'mg/L'
## Warning: Expecting logical in R8986 / R8986C18: got 'as N'
## Warning: Expecting logical in M8987 / R8987C13: got '7723-14-0'
## Warning: Expecting logical in R8987 / R8987C18: got 'as P'
## Warning: Expecting logical in R8988 / R8988C18: got 'as CaCO3'
## Warning: Expecting logical in W8989 / R8989C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8989 / R8989C24: got '2.0'
## Warning: Expecting logical in Y8989 / R8989C25: got 'mg/L'
## Warning: Expecting logical in R8991 / R8991C18: got 'as N'
## Warning: Expecting logical in R8992 / R8992C18: got 'as N'
## Warning: Expecting logical in W8992 / R8992C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8992 / R8992C24: got '0.03'
## Warning: Expecting logical in Y8992 / R8992C25: got 'mg/L'
## Warning: Expecting logical in M8995 / R8995C13: got '14265-44-2'
## Warning: Expecting logical in R8995 / R8995C18: got 'as P'
## Warning: Expecting logical in W8995 / R8995C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X8995 / R8995C24: got '0.04'
## Warning: Expecting logical in Y8995 / R8995C25: got 'mg/L'
## Warning: Expecting logical in R8996 / R8996C18: got 'as N'
## Warning: Expecting logical in R9000 / R9000C18: got 'as CaCO3'
## Warning: Expecting logical in R9001 / R9001C18: got 'as N'
```

```
## Warning: Expecting logical in W9001 / R9001C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9001 / R9001C24: got '0.03'
## Warning: Expecting logical in Y9001 / R9001C25: got 'mg/L'
## Warning: Expecting logical in R9004 / R9004C18: got 'as N'
## Warning: Expecting logical in R9007 / R9007C18: got 'as CaCO3'
## Warning: Expecting logical in W9009 / R9009C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9009 / R9009C24: got '2.0'
## Warning: Expecting logical in Y9009 / R9009C25: got 'mg/L'
## Warning: Expecting logical in R9010 / R9010C18: got 'as CaCO3'
## Warning: Expecting logical in R9011 / R9011C18: got 'as N'
## Warning: Expecting logical in M9013 / R9013C13: got '7723-14-0'
## Warning: Expecting logical in R9013 / R9013C18: got 'as P'
## Warning: Expecting logical in R9016 / R9016C18: got 'as CaCO3'
## Warning: Expecting logical in R9017 / R9017C18: got 'as N'
## Warning: Expecting logical in W9017 / R9017C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9017 / R9017C24: got '0.02'
## Warning: Expecting logical in Y9017 / R9017C25: got 'mg/L'
## Warning: Expecting logical in M9019 / R9019C13: got '7723-14-0'
## Warning: Expecting logical in R9019 / R9019C18: got 'as P'
## Warning: Expecting logical in R9020 / R9020C18: got 'as N'
## Warning: Expecting logical in W9022 / R9022C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9022 / R9022C24: got '2.0'
## Warning: Expecting logical in Y9022 / R9022C25: got 'mg/L'
## Warning: Expecting logical in R9025 / R9025C18: got 'as N'
```

```
## Warning: Expecting logical in W9025 / R9025C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9025 / R9025C24: got '0.03'
## Warning: Expecting logical in Y9025 / R9025C25: got 'mg/L'
## Warning: Expecting logical in R9026 / R9026C18: got 'as CaCO3'
## Warning: Expecting logical in R9028 / R9028C18: got 'as CaCO3'
## Warning: Expecting logical in R9029 / R9029C18: got 'as CaCO3'
## Warning: Expecting logical in R9032 / R9032C18: got 'as N'
## Warning: Expecting logical in W9032 / R9032C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9032 / R9032C24: got '0.02'
## Warning: Expecting logical in Y9032 / R9032C25: got 'mg/L'
## Warning: Expecting logical in W9034 / R9034C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9034 / R9034C24: got '2.0'
## Warning: Expecting logical in Y9034 / R9034C25: got 'mg/L'
## Warning: Expecting logical in M9037 / R9037C13: got '7723-14-0'
## Warning: Expecting logical in R9037 / R9037C18: got 'as P'
## Warning: Expecting logical in R9038 / R9038C18: got 'as N'
## Warning: Expecting logical in W9038 / R9038C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9038 / R9038C24: got '0.03'
## Warning: Expecting logical in Y9038 / R9038C25: got 'mg/L'
## Warning: Expecting logical in R9039 / R9039C18: got 'as N'
## Warning: Expecting logical in R9040 / R9040C18: got 'as N'
## Warning: Expecting logical in R9044 / R9044C18: got 'as CaCO3'
## Warning: Expecting logical in M9045 / R9045C13: got '7723-14-0'
## Warning: Expecting logical in R9045 / R9045C18: got 'as P'
```

```
## Warning: Expecting logical in R9046 / R9046C18: got 'as N'
## Warning: Expecting logical in M9047 / R9047C13: got '14265-44-2'
## Warning: Expecting logical in R9047 / R9047C18: got 'as P'
## Warning: Expecting logical in W9047 / R9047C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9047 / R9047C24: got '0.04'
## Warning: Expecting logical in Y9047 / R9047C25: got 'mg/L'
## Warning: Expecting logical in R9048 / R9048C18: got 'as CaCO3'
## Warning: Expecting logical in R9053 / R9053C18: got 'as N'
## Warning: Expecting logical in W9055 / R9055C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9055 / R9055C24: got '2.0'
## Warning: Expecting logical in Y9055 / R9055C25: got 'mg/L'
## Warning: Expecting logical in R9056 / R9056C18: got 'as CaCO3'
## Warning: Expecting logical in R9057 / R9057C18: got 'as CaCO3'
## Warning: Expecting logical in R9059 / R9059C18: got 'as N'
## Warning: Expecting logical in R9063 / R9063C18: got 'as N'
## Warning: Expecting logical in W9063 / R9063C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9063 / R9063C24: got '0.02'
## Warning: Expecting logical in Y9063 / R9063C25: got 'mg/L'
## Warning: Expecting logical in M9064 / R9064C13: got '7723-14-0'
## Warning: Expecting logical in R9064 / R9064C18: got 'as P'
## Warning: Expecting logical in R9066 / R9066C18: got 'as N'
## Warning: Expecting logical in R9068 / R9068C18: got 'as CaCO3'
## Warning: Expecting logical in R9071 / R9071C18: got 'as N'
## Warning: Expecting logical in W9071 / R9071C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9071 / R9071C24: got '0.03'
## Warning: Expecting logical in Y9071 / R9071C25: got 'mg/L'
## Warning: Expecting logical in R9074 / R9074C18: got 'as CaCO3'
## Warning: Expecting logical in R9076 / R9076C18: got 'as N'
## Warning: Expecting logical in R9077 / R9077C18: got 'as N'
## Warning: Expecting logical in W9077 / R9077C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9077 / R9077C24: got '0.02'
## Warning: Expecting logical in Y9077 / R9077C25: got 'mg/L'
## Warning: Expecting logical in M9079 / R9079C13: got '7723-14-0'
## Warning: Expecting logical in R9079 / R9079C18: got 'as P'
## Warning: Expecting logical in R9080 / R9080C18: got 'as N'
## Warning: Expecting logical in R9081 / R9081C18: got 'as CaCO3'
## Warning: Expecting logical in M9083 / R9083C13: got '7723-14-0'
## Warning: Expecting logical in R9083 / R9083C18: got 'as P'
## Warning: Expecting logical in R9084 / R9084C18: got 'as N'
## Warning: Expecting logical in W9084 / R9084C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9084 / R9084C24: got '0.02'
## Warning: Expecting logical in Y9084 / R9084C25: got 'mg/L'
## Warning: Expecting logical in R9085 / R9085C18: got 'as CaCO3'
## Warning: Expecting logical in R9090 / R9090C18: got 'as N'
## Warning: Expecting logical in W9090 / R9090C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9090 / R9090C24: got '0.03'
## Warning: Expecting logical in Y9090 / R9090C25: got 'mg/L'
## Warning: Expecting logical in M9093 / R9093C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R9093 / R9093C18: got 'as P'
## Warning: Expecting logical in R9097 / R9097C18: got 'as CaCO3'
## Warning: Expecting logical in W9098 / R9098C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9098 / R9098C24: got '2.0'
## Warning: Expecting logical in Y9098 / R9098C25: got 'mg/L'
## Warning: Expecting logical in R9099 / R9099C18: got 'as N'
## Warning: Expecting logical in R9101 / R9101C18: got 'as N'
## Warning: Expecting logical in W9101 / R9101C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9101 / R9101C24: got '0.03'
## Warning: Expecting logical in Y9101 / R9101C25: got 'mg/L'
## Warning: Expecting logical in R9102 / R9102C18: got 'as CaCO3'
## Warning: Expecting logical in R9105 / R9105C18: got 'as N'
## Warning: Expecting logical in R9106 / R9106C18: got 'as CaCO3'
## Warning: Expecting logical in W9107 / R9107C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9107 / R9107C24: got '2.5'
## Warning: Expecting logical in Y9107 / R9107C25: got 'mg/L'
## Warning: Expecting logical in R9108 / R9108C18: got 'as CaCO3'
## Warning: Expecting logical in R9109 / R9109C18: got 'as N'
## Warning: Expecting logical in M9110 / R9110C13: got '7723-14-0'
## Warning: Expecting logical in R9110 / R9110C18: got 'as P'
## Warning: Expecting logical in W9110 / R9110C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9110 / R9110C24: got '0.02'
## Warning: Expecting logical in Y9110 / R9110C25: got 'mg/L'
## Warning: Expecting logical in W9114 / R9114C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9114 / R9114C24: got '2.0'
## Warning: Expecting logical in Y9114 / R9114C25: got 'mg/L'
## Warning: Expecting logical in R9117 / R9117C18: got 'as N'
## Warning: Expecting logical in W9117 / R9117C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9117 / R9117C24: got '0.03'
## Warning: Expecting logical in Y9117 / R9117C25: got 'mg/L'
## Warning: Expecting logical in R9118 / R9118C18: got 'as N'
## Warning: Expecting logical in R9120 / R9120C18: got 'as CaCO3'
## Warning: Expecting logical in R9121 / R9121C18: got 'as CaCO3'
## Warning: Expecting logical in R9122 / R9122C18: got 'as N'
## Warning: Expecting logical in W9124 / R9124C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9124 / R9124C24: got '2.0'
## Warning: Expecting logical in Y9124 / R9124C25: got 'mg/L'
## Warning: Expecting logical in R9125 / R9125C18: got 'as N'
## Warning: Expecting logical in R9127 / R9127C18: got 'as N'
## Warning: Expecting logical in M9128 / R9128C13: got '7723-14-0'
## Warning: Expecting logical in R9128 / R9128C18: got 'as P'
## Warning: Expecting logical in R9132 / R9132C18: got 'as CaCO3'
## Warning: Expecting logical in R9133 / R9133C18: got 'as CaCO3'
## Warning: Expecting logical in R9135 / R9135C18: got 'as N'
## Warning: Expecting logical in W9135 / R9135C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9135 / R9135C24: got '0.03'
## Warning: Expecting logical in Y9135 / R9135C25: got 'mg/L'
## Warning: Expecting logical in R9136 / R9136C18: got 'as N'
```

```
## Warning: Expecting logical in R9140 / R9140C18: got 'as N'
## Warning: Expecting logical in M9142 / R9142C13: got '7723-14-0'
## Warning: Expecting logical in R9142 / R9142C18: got 'as P'
## Warning: Expecting logical in W9144 / R9144C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9144 / R9144C24: got '2.0'
## Warning: Expecting logical in Y9144 / R9144C25: got 'mg/L'
## Warning: Expecting logical in R9147 / R9147C18: got 'as CaCO3'
## Warning: Expecting logical in R9148 / R9148C18: got 'as CaCO3'
## Warning: Expecting logical in R9149 / R9149C18: got 'as N'
## Warning: Expecting logical in W9149 / R9149C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9149 / R9149C24: got '0.03'
## Warning: Expecting logical in Y9149 / R9149C25: got 'mg/L'
## Warning: Expecting logical in R9150 / R9150C18: got 'as N'
## Warning: Expecting logical in M9153 / R9153C13: got '7723-14-0'
## Warning: Expecting logical in R9153 / R9153C18: got 'as P'
## Warning: Expecting logical in R9154 / R9154C18: got 'as N'
## Warning: Expecting logical in W9154 / R9154C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9154 / R9154C24: got '0.02'
## Warning: Expecting logical in Y9154 / R9154C25: got 'mg/L'
## Warning: Expecting logical in R9158 / R9158C18: got 'as N'
## Warning: Expecting logical in W9158 / R9158C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9158 / R9158C24: got '0.03'
## Warning: Expecting logical in Y9158 / R9158C25: got 'mg/L'
## Warning: Expecting logical in M9159 / R9159C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R9159 / R9159C18: got 'as P'
## Warning: Expecting logical in R9162 / R9162C18: got 'as CaCO3'
## Warning: Expecting logical in R9164 / R9164C18: got 'as N'
## Warning: Expecting logical in W9164 / R9164C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9164 / R9164C24: got '0.02'
## Warning: Expecting logical in Y9164 / R9164C25: got 'mg/L'
## Warning: Expecting logical in R9165 / R9165C18: got 'as N'
## Warning: Expecting logical in R9167 / R9167C18: got 'as CaCO3'
## Warning: Expecting logical in M9170 / R9170C13: got '14265-44-2'
## Warning: Expecting logical in R9170 / R9170C18: got 'as P'
## Warning: Expecting logical in W9170 / R9170C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9170 / R9170C24: got '0.04'
## Warning: Expecting logical in Y9170 / R9170C25: got 'mg/L'
## Warning: Expecting logical in M9172 / R9172C13: got '7723-14-0'
## Warning: Expecting logical in R9172 / R9172C18: got 'as P'
## Warning: Expecting logical in R9175 / R9175C18: got 'as N'
## Warning: Expecting logical in W9178 / R9178C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9178 / R9178C24: got '2.0'
## Warning: Expecting logical in Y9178 / R9178C25: got 'mg/L'
## Warning: Expecting logical in R9179 / R9179C18: got 'as N'
## Warning: Expecting logical in W9179 / R9179C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9179 / R9179C24: got '0.02'
## Warning: Expecting logical in Y9179 / R9179C25: got 'mg/L'
## Warning: Expecting logical in R9181 / R9181C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R9182 / R9182C18: got 'as CaCO3'
## Warning: Expecting logical in R9183 / R9183C18: got 'as N'
## Warning: Expecting logical in W9183 / R9183C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9183 / R9183C24: got '0.20'
## Warning: Expecting logical in Y9183 / R9183C25: got 'mg/L'
## Warning: Expecting logical in M9187 / R9187C13: got '7723-14-0'
## Warning: Expecting logical in R9187 / R9187C18: got 'as P'
## Warning: Expecting logical in W9188 / R9188C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9188 / R9188C24: got '2.0'
## Warning: Expecting logical in Y9188 / R9188C25: got 'mg/L'
## Warning: Expecting logical in R9189 / R9189C18: got 'as N'
## Warning: Expecting logical in W9189 / R9189C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9189 / R9189C24: got '0.20'
## Warning: Expecting logical in Y9189 / R9189C25: got 'mg/L'
## Warning: Expecting logical in R9190 / R9190C18: got 'as CaCO3'
## Warning: Expecting logical in R9193 / R9193C18: got 'as CaCO3'
## Warning: Expecting logical in R9194 / R9194C18: got 'as N'
## Warning: Expecting logical in W9194 / R9194C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9194 / R9194C24: got '0.02'
## Warning: Expecting logical in Y9194 / R9194C25: got 'mg/L'
## Warning: Expecting logical in R9197 / R9197C18: got 'as N'
## Warning: Expecting logical in R9199 / R9199C18: got 'as N'
## Warning: Expecting logical in R9200 / R9200C18: got 'as N'
## Warning: Expecting logical in W9200 / R9200C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9200 / R9200C24: got '0.20'
## Warning: Expecting logical in Y9200 / R9200C25: got 'mg/L'
## Warning: Expecting logical in R9201 / R9201C18: got 'as CaCO3'
## Warning: Expecting logical in R9202 / R9202C18: got 'as N'
## Warning: Expecting logical in W9202 / R9202C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9202 / R9202C24: got '0.02'
## Warning: Expecting logical in Y9202 / R9202C25: got 'mg/L'
## Warning: Expecting logical in W9205 / R9205C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9205 / R9205C24: got '2.0'
## Warning: Expecting logical in Y9205 / R9205C25: got 'mg/L'
## Warning: Expecting logical in R9209 / R9209C18: got 'as CaCO3'
## Warning: Expecting logical in M9210 / R9210C13: got '7723-14-0'
## Warning: Expecting logical in R9210 / R9210C18: got 'as P'
## Warning: Expecting logical in W9211 / R9211C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9211 / R9211C24: got '2.5'
## Warning: Expecting logical in Y9211 / R9211C25: got 'mg/L'
## Warning: Expecting logical in M9212 / R9212C13: got '14265-44-2'
## Warning: Expecting logical in R9212 / R9212C18: got 'as P'
## Warning: Expecting logical in W9212 / R9212C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9212 / R9212C24: got '0.04'
## Warning: Expecting logical in Y9212 / R9212C25: got 'mg/L'
## Warning: Expecting logical in R9213 / R9213C18: got 'as CaCO3'
## Warning: Expecting logical in M9215 / R9215C13: got '7723-14-0'
## Warning: Expecting logical in R9215 / R9215C18: got 'as P'
```

```
## Warning: Expecting logical in R9216 / R9216C18: got 'as N'
## Warning: Expecting logical in R9217 / R9217C18: got 'as N'
## Warning: Expecting logical in W9218 / R9218C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9218 / R9218C24: got '2.0'
## Warning: Expecting logical in Y9218 / R9218C25: got 'mg/L'
## Warning: Expecting logical in R9220 / R9220C18: got 'as CaCO3'
## Warning: Expecting logical in R9222 / R9222C18: got 'as N'
## Warning: Expecting logical in W9222 / R9222C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9222 / R9222C24: got '0.03'
## Warning: Expecting logical in Y9222 / R9222C25: got 'mg/L'
## Warning: Expecting logical in M9224 / R9224C13: got '68583-22-2'
## Warning: Expecting logical in M9225 / R9225C13: got '7723-14-0'
## Warning: Expecting logical in R9225 / R9225C18: got 'as P'
## Warning: Expecting logical in R9226 / R9226C18: got 'as CaCO3'
## Warning: Expecting logical in R9227 / R9227C18: got 'as CaCO3'
## Warning: Expecting logical in M9228 / R9228C13: got '68583-22-2'
## Warning: Expecting logical in R9230 / R9230C18: got 'as N'
## Warning: Expecting logical in W9230 / R9230C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9230 / R9230C24: got '0.03'
## Warning: Expecting logical in Y9230 / R9230C25: got 'mg/L'
## Warning: Expecting logical in W9231 / R9231C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9231 / R9231C24: got '2.0'
## Warning: Expecting logical in Y9231 / R9231C25: got 'mg/L'
## Warning: Expecting logical in W9232 / R9232C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9232 / R9232C24: got '2.5'
## Warning: Expecting logical in Y9232 / R9232C25: got 'mg/L'
## Warning: Expecting logical in R9234 / R9234C18: got 'as N'
## Warning: Expecting logical in R9235 / R9235C18: got 'as N'
## Warning: Expecting logical in W9235 / R9235C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9235 / R9235C24: got '0.02'
## Warning: Expecting logical in Y9235 / R9235C25: got 'mg/L'
## Warning: Expecting logical in R9238 / R9238C18: got 'as N'
## Warning: Expecting logical in W9238 / R9238C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9238 / R9238C24: got '0.03'
## Warning: Expecting logical in Y9238 / R9238C25: got 'mg/L'
## Warning: Expecting logical in R9239 / R9239C18: got 'as N'
## Warning: Expecting logical in M9241 / R9241C13: got '7723-14-0'
## Warning: Expecting logical in R9241 / R9241C18: got 'as P'
## Warning: Expecting logical in R9243 / R9243C18: got 'as N'
## Warning: Expecting logical in W9243 / R9243C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9243 / R9243C24: got '0.02'
## Warning: Expecting logical in Y9243 / R9243C25: got 'mg/L'
## Warning: Expecting logical in W9246 / R9246C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9246 / R9246C24: got '2.5'
## Warning: Expecting logical in Y9246 / R9246C25: got 'mg/L'
## Warning: Expecting logical in M9247 / R9247C13: got '68583-22-2'
## Warning: Expecting logical in R9248 / R9248C18: got 'as CaCO3'
## Warning: Expecting logical in R9249 / R9249C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R9251 / R9251C18: got 'as N'
## Warning: Expecting logical in W9251 / R9251C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9251 / R9251C24: got '0.03'
## Warning: Expecting logical in Y9251 / R9251C25: got 'mg/L'
## Warning: Expecting logical in W9252 / R9252C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9252 / R9252C24: got '2.5'
## Warning: Expecting logical in Y9252 / R9252C25: got 'mg/L'
## Warning: Expecting logical in R9253 / R9253C18: got 'as N'
## Warning: Expecting logical in W9253 / R9253C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9253 / R9253C24: got '0.02'
## Warning: Expecting logical in Y9253 / R9253C25: got 'mg/L'
## Warning: Expecting logical in R9254 / R9254C18: got 'as N'
## Warning: Expecting logical in W9256 / R9256C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9256 / R9256C24: got '2.0'
## Warning: Expecting logical in Y9256 / R9256C25: got 'mg/L'
## Warning: Expecting logical in R9258 / R9258C18: got 'as CaCO3'
## Warning: Expecting logical in M9259 / R9259C13: got '7723-14-0'
## Warning: Expecting logical in R9259 / R9259C18: got 'as P'
## Warning: Expecting logical in M9261 / R9261C13: got '68583-22-2'
## Warning: Expecting logical in R9263 / R9263C18: got 'as CaCO3'
## Warning: Expecting logical in R9265 / R9265C18: got 'as CaCO3'
## Warning: Expecting logical in R9267 / R9267C18: got 'as N'
## Warning: Expecting logical in W9268 / R9268C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9268 / R9268C24: got '2.0'
```

```
## Warning: Expecting logical in Y9268 / R9268C25: got 'mg/L'
## Warning: Expecting logical in M9270 / R9270C13: got '7723-14-0'
## Warning: Expecting logical in R9270 / R9270C18: got 'as P'
## Warning: Expecting logical in R9272 / R9272C18: got 'as N'
## Warning: Expecting logical in W9272 / R9272C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9272 / R9272C24: got '0.02'
## Warning: Expecting logical in Y9272 / R9272C25: got 'mg/L'
## Warning: Expecting logical in W9273 / R9273C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9273 / R9273C24: got '2.5'
## Warning: Expecting logical in Y9273 / R9273C25: got 'mg/L'
## Warning: Expecting logical in R9274 / R9274C18: got 'as N'
## Warning: Expecting logical in W9274 / R9274C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9274 / R9274C24: got '0.03'
## Warning: Expecting logical in Y9274 / R9274C25: got 'mg/L'
## Warning: Expecting logical in R9275 / R9275C18: got 'as CaCO3'
## Warning: Expecting logical in W9276 / R9276C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9276 / R9276C24: got '2.5'
## Warning: Expecting logical in Y9276 / R9276C25: got 'mg/L'
## Warning: Expecting logical in R9277 / R9277C18: got 'as CaCO3'
## Warning: Expecting logical in R9278 / R9278C18: got 'as N' \,
## Warning: Expecting logical in W9280 / R9280C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9280 / R9280C24: got '2.0'
## Warning: Expecting logical in Y9280 / R9280C25: got 'mg/L'
## Warning: Expecting logical in M9283 / R9283C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R9283 / R9283C18: got 'as P'
## Warning: Expecting logical in R9284 / R9284C18: got 'as N' \,
## Warning: Expecting logical in W9284 / R9284C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9284 / R9284C24: got '0.03'
## Warning: Expecting logical in Y9284 / R9284C25: got 'mg/L'
## Warning: Expecting logical in M9286 / R9286C13: got '68583-22-2'
## Warning: Expecting logical in R9287 / R9287C18: got 'as N'
## Warning: Expecting logical in R9288 / R9288C18: got 'as CaCO3'
## Warning: Expecting logical in R9289 / R9289C18: got 'as N'
## Warning: Expecting logical in R9290 / R9290C18: got 'as CaCO3'
## Warning: Expecting logical in R9292 / R9292C18: got 'as N'
## Warning: Expecting logical in W9294 / R9294C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9294 / R9294C24: got '2.0'
## Warning: Expecting logical in Y9294 / R9294C25: got 'mg/L'
## Warning: Expecting logical in R9296 / R9296C18: got 'as N'
## Warning: Expecting logical in M9299 / R9299C13: got '7723-14-0'
## Warning: Expecting logical in R9299 / R9299C18: got 'as P'
## Warning: Expecting logical in R9301 / R9301C18: got 'as CaCO3'
## Warning: Expecting logical in M9303 / R9303C13: got '7723-14-0'
## Warning: Expecting logical in R9303 / R9303C18: got 'as P'
## Warning: Expecting logical in R9306 / R9306C18: got 'as N'
## Warning: Expecting logical in R9307 / R9307C18: got 'as CaCO3'
## Warning: Expecting logical in R9311 / R9311C18: got 'as N'
## Warning: Expecting logical in R9312 / R9312C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R9313 / R9313C18: got 'as N'
## Warning: Expecting logical in W9314 / R9314C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9314 / R9314C24: got '2.0'
## Warning: Expecting logical in Y9314 / R9314C25: got 'mg/L'
## Warning: Expecting logical in R9316 / R9316C18: got 'as CaCO3'
## Warning: Expecting logical in W9317 / R9317C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9317 / R9317C24: got '2.0'
## Warning: Expecting logical in Y9317 / R9317C25: got 'mg/L'
## Warning: Expecting logical in R9318 / R9318C18: got 'as N'
## Warning: Expecting logical in M9322 / R9322C13: got '7723-14-0'
## Warning: Expecting logical in R9322 / R9322C18: got 'as P'
## Warning: Expecting logical in R9324 / R9324C18: got 'as CaCO3'
## Warning: Expecting logical in R9325 / R9325C18: got 'as N'
## Warning: Expecting logical in W9325 / R9325C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9325 / R9325C24: got '0.20'
## Warning: Expecting logical in Y9325 / R9325C25: got 'mg/L'
## Warning: Expecting logical in R9327 / R9327C18: got 'as N'
## Warning: Expecting logical in R9328 / R9328C18: got 'as N'
## Warning: Expecting logical in M9330 / R9330C13: got '7723-14-0'
## Warning: Expecting logical in R9330 / R9330C18: got 'as P'
## Warning: Expecting logical in R9332 / R9332C18: got 'as N'
## Warning: Expecting logical in R9335 / R9335C18: got 'as CaCO3'
## Warning: Expecting logical in W9338 / R9338C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9338 / R9338C24: got '2.0'
```

```
## Warning: Expecting logical in Y9338 / R9338C25: got 'mg/L'
## Warning: Expecting logical in R9339 / R9339C18: got 'as N'
## Warning: Expecting logical in R9340 / R9340C18: got 'as CaCO3'
## Warning: Expecting logical in R9342 / R9342C18: got 'as CaCO3'
## Warning: Expecting logical in W9344 / R9344C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9344 / R9344C24: got '2.0'
## Warning: Expecting logical in Y9344 / R9344C25: got 'mg/L'
## Warning: Expecting logical in R9345 / R9345C18: got 'as N'
## Warning: Expecting logical in M9347 / R9347C13: got '7723-14-0'
## Warning: Expecting logical in R9347 / R9347C18: got 'as P'
## Warning: Expecting logical in R9348 / R9348C18: got 'as N'
## Warning: Expecting logical in W9348 / R9348C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9348 / R9348C24: got '0.03'
## Warning: Expecting logical in Y9348 / R9348C25: got 'mg/L'
## Warning: Expecting logical in W9351 / R9351C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9351 / R9351C24: got '2.5'
## Warning: Expecting logical in Y9351 / R9351C25: got 'mg/L'
## Warning: Expecting logical in R9352 / R9352C18: got 'as N'
## Warning: Expecting logical in W9352 / R9352C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9352 / R9352C24: got '0.02'
## Warning: Expecting logical in Y9352 / R9352C25: got 'mg/L'
## Warning: Expecting logical in R9353 / R9353C18: got 'as CaCO3'
## Warning: Expecting logical in R9355 / R9355C18: got 'as CaCO3'
## Warning: Expecting logical in R9357 / R9357C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in W9359 / R9359C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9359 / R9359C24: got '2.0'
## Warning: Expecting logical in Y9359 / R9359C25: got 'mg/L'
## Warning: Expecting logical in R9360 / R9360C18: got 'as N'
## Warning: Expecting logical in W9360 / R9360C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9360 / R9360C24: got '0.03'
## Warning: Expecting logical in Y9360 / R9360C25: got 'mg/L'
## Warning: Expecting logical in W9361 / R9361C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9361 / R9361C24: got '2.5'
## Warning: Expecting logical in Y9361 / R9361C25: got 'mg/L'
## Warning: Expecting logical in M9362 / R9362C13: got '7723-14-0'
## Warning: Expecting logical in R9362 / R9362C18: got 'as P'
## Warning: Expecting logical in R9365 / R9365C18: got 'as N'
## Warning: Expecting logical in R9366 / R9366C18: got 'as N'
## Warning: Expecting logical in W9366 / R9366C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9366 / R9366C24: got '0.02'
## Warning: Expecting logical in Y9366 / R9366C25: got 'mg/L'
## Warning: Expecting logical in M9367 / R9367C13: got '68583-22-2'
## Warning: Expecting logical in M9368 / R9368C13: got '68583-22-2'
## Warning: Expecting logical in M9369 / R9369C13: got '68583-22-2'
## Warning: Expecting logical in M9370 / R9370C13: got '68583-22-2'
## Warning: Expecting logical in M9371 / R9371C13: got '68583-22-2'
## Warning: Expecting logical in R9374 / R9374C18: got 'as N'
## Warning: Expecting logical in M9375 / R9375C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R9375 / R9375C18: got 'as P'
## Warning: Expecting logical in R9376 / R9376C18: got 'as CaCO3'
## Warning: Expecting logical in W9379 / R9379C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9379 / R9379C24: got '2.0'
## Warning: Expecting logical in Y9379 / R9379C25: got 'mg/L'
## Warning: Expecting logical in R9381 / R9381C18: got 'as N'
## Warning: Expecting logical in W9381 / R9381C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9381 / R9381C24: got '0.02'
## Warning: Expecting logical in Y9381 / R9381C25: got 'mg/L'
## Warning: Expecting logical in R9382 / R9382C18: got 'as CaCO3'
## Warning: Expecting logical in R9384 / R9384C18: got 'as N'
## Warning: Expecting logical in W9384 / R9384C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9384 / R9384C24: got '0.03'
## Warning: Expecting logical in Y9384 / R9384C25: got 'mg/L'
## Warning: Expecting logical in R9385 / R9385C18: got 'as CaCO3'
## Warning: Expecting logical in R9386 / R9386C18: got 'as N'
## Warning: Expecting logical in M9388 / R9388C13: got '14265-44-2'
## Warning: Expecting logical in R9388 / R9388C18: got 'as P'
## Warning: Expecting logical in W9388 / R9388C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9388 / R9388C24: got '0.04'
## Warning: Expecting logical in Y9388 / R9388C25: got 'mg/L'
## Warning: Expecting logical in R9392 / R9392C18: got 'as N'
## Warning: Expecting logical in R9393 / R9393C18: got 'as N'
## Warning: Expecting logical in R9394 / R9394C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in M9398 / R9398C13: got '7723-14-0'
## Warning: Expecting logical in R9398 / R9398C18: got 'as P'
## Warning: Expecting logical in R9399 / R9399C18: got 'as CaCO3'
## Warning: Expecting logical in M9400 / R9400C13: got '7723-14-0'
## Warning: Expecting logical in R9400 / R9400C18: got 'as P'
## Warning: Expecting logical in R9401 / R9401C18: got 'as N'
## Warning: Expecting logical in R9407 / R9407C18: got 'as N'
## Warning: Expecting logical in W9407 / R9407C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9407 / R9407C24: got '0.03'
## Warning: Expecting logical in Y9407 / R9407C25: got 'mg/L'
## Warning: Expecting logical in R9409 / R9409C18: got 'as CaCO3'
## Warning: Expecting logical in R9410 / R9410C18: got 'as N'
## Warning: Expecting logical in W9410 / R9410C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9410 / R9410C24: got '0.02'
## Warning: Expecting logical in Y9410 / R9410C25: got 'mg/L'
## Warning: Expecting logical in M9411 / R9411C13: got '14265-44-2'
## Warning: Expecting logical in R9411 / R9411C18: got 'as P'
## Warning: Expecting logical in W9411 / R9411C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9411 / R9411C24: got '0.04'
## Warning: Expecting logical in Y9411 / R9411C25: got 'mg/L'
## Warning: Expecting logical in M9413 / R9413C13: got '68583-22-2'
## Warning: Expecting logical in M9414 / R9414C13: got '68583-22-2'
## Warning: Expecting logical in M9415 / R9415C13: got '68583-22-2'
## Warning: Expecting logical in M9416 / R9416C13: got '68583-22-2'
```

```
## Warning: Expecting logical in M9417 / R9417C13: got '68583-22-2'
## Warning: Expecting logical in M9419 / R9419C13: got '7723-14-0'
## Warning: Expecting logical in R9419 / R9419C18: got 'as P'
## Warning: Expecting logical in R9420 / R9420C18: got 'as N'
## Warning: Expecting logical in R9421 / R9421C18: got 'as N'
## Warning: Expecting logical in W9421 / R9421C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9421 / R9421C24: got '0.02'
## Warning: Expecting logical in Y9421 / R9421C25: got 'mg/L'
## Warning: Expecting logical in R9426 / R9426C18: got 'as CaCO3'
## Warning: Expecting logical in R9428 / R9428C18: got 'as CaCO3'
## Warning: Expecting logical in R9430 / R9430C18: got 'as N'
## Warning: Expecting logical in R9431 / R9431C18: got 'as N'
## Warning: Expecting logical in W9434 / R9434C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9434 / R9434C24: got '2.0'
## Warning: Expecting logical in Y9434 / R9434C25: got 'mg/L'
## Warning: Expecting logical in R9436 / R9436C18: got 'as CaCO3'
## Warning: Expecting logical in M9438 / R9438C13: got '7723-14-0'
## Warning: Expecting logical in R9438 / R9438C18: got 'as P'
## Warning: Expecting logical in R9439 / R9439C18: got 'as N'
## Warning: Expecting logical in W9439 / R9439C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9439 / R9439C24: got '0.02'
## Warning: Expecting logical in Y9439 / R9439C25: got 'mg/L'
## Warning: Expecting logical in R9441 / R9441C18: got 'as N'
## Warning: Expecting logical in W9441 / R9441C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9441 / R9441C24: got '0.03'
## Warning: Expecting logical in Y9441 / R9441C25: got 'mg/L'
## Warning: Expecting logical in R9443 / R9443C18: got 'as CaCO3'
## Warning: Expecting logical in R9448 / R9448C18: got 'as N'
## Warning: Expecting logical in W9448 / R9448C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9448 / R9448C24: got '0.03'
## Warning: Expecting logical in Y9448 / R9448C25: got 'mg/L'
## Warning: Expecting logical in R9449 / R9449C18: got 'as N'
## Warning: Expecting logical in W9449 / R9449C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9449 / R9449C24: got '0.02'
## Warning: Expecting logical in Y9449 / R9449C25: got 'mg/L'
## Warning: Expecting logical in M9450 / R9450C13: got '68583-22-2'
## Warning: Expecting logical in R9451 / R9451C18: got 'as N'
## Warning: Expecting logical in R9454 / R9454C18: got 'as CaCO3'
## Warning: Expecting logical in M9455 / R9455C13: got '7723-14-0'
## Warning: Expecting logical in R9455 / R9455C18: got 'as P'
## Warning: Expecting logical in R9457 / R9457C18: got 'as CaCO3'
## Warning: Expecting logical in R9458 / R9458C18: got 'as N'
## Warning: Expecting logical in W9458 / R9458C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9458 / R9458C24: got '0.20'
## Warning: Expecting logical in Y9458 / R9458C25: got 'mg/L'
## Warning: Expecting logical in R9459 / R9459C18: got 'as N'
## Warning: Expecting logical in W9459 / R9459C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9459 / R9459C24: got '0.02'
```

```
## Warning: Expecting logical in Y9459 / R9459C25: got 'mg/L'
## Warning: Expecting logical in M9462 / R9462C13: got '68583-22-2'
## Warning: Expecting logical in R9463 / R9463C18: got 'as CaCO3'
## Warning: Expecting logical in R9465 / R9465C18: got 'as N'
## Warning: Expecting logical in W9465 / R9465C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9465 / R9465C24: got '0.03'
## Warning: Expecting logical in Y9465 / R9465C25: got 'mg/L'
## Warning: Expecting logical in M9466 / R9466C13: got '7723-14-0'
## Warning: Expecting logical in R9466 / R9466C18: got 'as P'
## Warning: Expecting logical in R9469 / R9469C18: got 'as CaCO3'
## Warning: Expecting logical in W9470 / R9470C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9470 / R9470C24: got '2.0'
## Warning: Expecting logical in Y9470 / R9470C25: got 'mg/L'
## Warning: Expecting logical in R9473 / R9473C18: got 'as CaCO3'
## Warning: Expecting logical in R9475 / R9475C18: got 'as N'
## Warning: Expecting logical in W9475 / R9475C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9475 / R9475C24: got '0.02'
## Warning: Expecting logical in Y9475 / R9475C25: got 'mg/L'
## Warning: Expecting logical in W9476 / R9476C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9476 / R9476C24: got '2.0'
## Warning: Expecting logical in Y9476 / R9476C25: got 'mg/L'
## Warning: Expecting logical in R9478 / R9478C18: got 'as N'
## Warning: Expecting logical in M9480 / R9480C13: got '68583-22-2'
## Warning: Expecting logical in M9481 / R9481C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R9481 / R9481C18: got 'as P'
## Warning: Expecting logical in R9482 / R9482C18: got 'as N' \,
## Warning: Expecting logical in W9482 / R9482C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9482 / R9482C24: got '0.03'
## Warning: Expecting logical in Y9482 / R9482C25: got 'mg/L'
## Warning: Expecting logical in R9485 / R9485C18: got 'as CaCO3'
## Warning: Expecting logical in R9486 / R9486C18: got 'as N'
## Warning: Expecting logical in M9487 / R9487C13: got '68583-22-2'
## Warning: Expecting logical in W9492 / R9492C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9492 / R9492C24: got '2.0'
## Warning: Expecting logical in Y9492 / R9492C25: got 'mg/L'
## Warning: Expecting logical in M9493 / R9493C13: got '7723-14-0'
## Warning: Expecting logical in R9493 / R9493C18: got 'as P'
## Warning: Expecting logical in R9495 / R9495C18: got 'as CaCO3'
## Warning: Expecting logical in R9497 / R9497C18: got 'as N'
## Warning: Expecting logical in W9497 / R9497C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9497 / R9497C24: got '0.03'
## Warning: Expecting logical in Y9497 / R9497C25: got 'mg/L'
## Warning: Expecting logical in R9498 / R9498C18: got 'as N'
## Warning: Expecting logical in W9498 / R9498C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9498 / R9498C24: got '0.02'
## Warning: Expecting logical in Y9498 / R9498C25: got 'mg/L'
## Warning: Expecting logical in R9499 / R9499C18: got 'as CaCO3'
## Warning: Expecting logical in M9500 / R9500C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R9500 / R9500C18: got 'as P'
## Warning: Expecting logical in R9501 / R9501C18: got 'as N'
## Warning: Expecting logical in R9502 / R9502C18: got 'as N'
## Warning: Expecting logical in W9502 / R9502C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9502 / R9502C24: got '0.02'
## Warning: Expecting logical in Y9502 / R9502C25: got 'mg/L'
## Warning: Expecting logical in M9503 / R9503C13: got '14265-44-2'
## Warning: Expecting logical in R9503 / R9503C18: got 'as P'
## Warning: Expecting logical in W9503 / R9503C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9503 / R9503C24: got '0.04'
## Warning: Expecting logical in Y9503 / R9503C25: got 'mg/L'
## Warning: Expecting logical in R9504 / R9504C18: got 'as N'
## Warning: Expecting logical in W9504 / R9504C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9504 / R9504C24: got '0.03'
## Warning: Expecting logical in Y9504 / R9504C25: got 'mg/L'
## Warning: Expecting logical in R9508 / R9508C18: got 'as CaCO3'
## Warning: Expecting logical in R9510 / R9510C18: got 'as CaCO3'
## Warning: Expecting logical in M9511 / R9511C13: got '68583-22-2'
## Warning: Expecting logical in M9515 / R9515C13: got '7723-14-0'
## Warning: Expecting logical in R9515 / R9515C18: got 'as P'
## Warning: Expecting logical in R9516 / R9516C18: got 'as N'
## Warning: Expecting logical in W9516 / R9516C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9516 / R9516C24: got '0.03'
## Warning: Expecting logical in Y9516 / R9516C25: got 'mg/L'
```

```
## Warning: Expecting logical in R9517 / R9517C18: got 'as CaCO3'
## Warning: Expecting logical in M9518 / R9518C13: got '68583-22-2'
## Warning: Expecting logical in W9519 / R9519C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9519 / R9519C24: got '2.0'
## Warning: Expecting logical in Y9519 / R9519C25: got 'mg/L'
## Warning: Expecting logical in R9520 / R9520C18: got 'as CaCO3'
## Warning: Expecting logical in M9521 / R9521C13: got '14265-44-2'
## Warning: Expecting logical in R9521 / R9521C18: got 'as P'
## Warning: Expecting logical in W9521 / R9521C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9521 / R9521C24: got '0.04'
## Warning: Expecting logical in Y9521 / R9521C25: got 'mg/L'
## Warning: Expecting logical in R9522 / R9522C18: got 'as N'
## Warning: Expecting logical in R9526 / R9526C18: got 'as N'
## Warning: Expecting logical in M9530 / R9530C13: got '68583-22-2'
## Warning: Expecting logical in M9531 / R9531C13: got '68583-22-2'
## Warning: Expecting logical in M9532 / R9532C13: got '68583-22-2'
## Warning: Expecting logical in M9533 / R9533C13: got '68583-22-2'
## Warning: Expecting logical in M9534 / R9534C13: got '68583-22-2'
## Warning: Expecting logical in M9535 / R9535C13: got '68583-22-2'
## Warning: Expecting logical in M9536 / R9536C13: got '68583-22-2'
## Warning: Expecting logical in M9537 / R9537C13: got '68583-22-2'
## Warning: Expecting logical in M9538 / R9538C13: got '68583-22-2'
## Warning: Expecting logical in M9539 / R9539C13: got '68583-22-2'
## Warning: Expecting logical in M9540 / R9540C13: got '68583-22-2'
```

```
## Warning: Expecting logical in W9541 / R9541C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9541 / R9541C24: got '2.0'
## Warning: Expecting logical in Y9541 / R9541C25: got 'mg/L'
## Warning: Expecting logical in M9543 / R9543C13: got '68583-22-2'
## Warning: Expecting logical in R9544 / R9544C18: got 'as CaCO3'
## Warning: Expecting logical in R9545 / R9545C18: got 'as CaCO3'
## Warning: Expecting logical in M9546 / R9546C13: got '14265-44-2'
## Warning: Expecting logical in R9546 / R9546C18: got 'as P'
## Warning: Expecting logical in W9546 / R9546C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9546 / R9546C24: got '0.04'
## Warning: Expecting logical in Y9546 / R9546C25: got 'mg/L'
## Warning: Expecting logical in R9547 / R9547C18: got 'as N'
## Warning: Expecting logical in W9547 / R9547C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9547 / R9547C24: got '0.03'
## Warning: Expecting logical in Y9547 / R9547C25: got 'mg/L'
## Warning: Expecting logical in M9548 / R9548C13: got '7723-14-0'
## Warning: Expecting logical in R9548 / R9548C18: got 'as P'
## Warning: Expecting logical in R9550 / R9550C18: got 'as N'
## Warning: Expecting logical in W9550 / R9550C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9550 / R9550C24: got '0.20'
## Warning: Expecting logical in Y9550 / R9550C25: got 'mg/L'
## Warning: Expecting logical in R9554 / R9554C18: got 'as N'
## Warning: Expecting logical in W9555 / R9555C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9555 / R9555C24: got '2.5'
```

```
## Warning: Expecting logical in Y9555 / R9555C25: got 'mg/L'
## Warning: Expecting logical in R9557 / R9557C18: got 'as CaCO3'
## Warning: Expecting logical in M9558 / R9558C13: got '68583-22-2'
## Warning: Expecting logical in M9559 / R9559C13: got '7723-14-0'
## Warning: Expecting logical in R9559 / R9559C18: got 'as P'
## Warning: Expecting logical in R9560 / R9560C18: got 'as N'
## Warning: Expecting logical in W9560 / R9560C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9560 / R9560C24: got '0.03'
## Warning: Expecting logical in Y9560 / R9560C25: got 'mg/L'
## Warning: Expecting logical in W9565 / R9565C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9565 / R9565C24: got '2.5'
## Warning: Expecting logical in Y9565 / R9565C25: got 'mg/L'
## Warning: Expecting logical in R9566 / R9566C18: got 'as N'
## Warning: Expecting logical in R9567 / R9567C18: got 'as CaCO3'
## Warning: Expecting logical in W9568 / R9568C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9568 / R9568C24: got '2.0'
## Warning: Expecting logical in Y9568 / R9568C25: got 'mg/L'
## Warning: Expecting logical in R9569 / R9569C18: got 'as N'
## Warning: Expecting logical in M9571 / R9571C13: got '14265-44-2'
## Warning: Expecting logical in R9571 / R9571C18: got 'as P'
## Warning: Expecting logical in W9571 / R9571C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9571 / R9571C24: got '0.04'
## Warning: Expecting logical in Y9571 / R9571C25: got 'mg/L'
## Warning: Expecting logical in R9572 / R9572C18: got 'as N'
```

```
## Warning: Expecting logical in W9572 / R9572C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9572 / R9572C24: got '0.20'
## Warning: Expecting logical in Y9572 / R9572C25: got 'mg/L'
## Warning: Expecting logical in W9573 / R9573C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9573 / R9573C24: got '1.0'
## Warning: Expecting logical in Y9573 / R9573C25: got 'mg/L'
## Warning: Expecting logical in R9574 / R9574C18: got 'as N'
## Warning: Expecting logical in R9576 / R9576C18: got 'as CaCO3'
## Warning: Expecting logical in R9577 / R9577C18: got 'as N'
## Warning: Expecting logical in W9577 / R9577C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9577 / R9577C24: got '0.03'
## Warning: Expecting logical in Y9577 / R9577C25: got 'mg/L'
## Warning: Expecting logical in W9578 / R9578C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9578 / R9578C24: got '2.5'
## Warning: Expecting logical in Y9578 / R9578C25: got 'mg/L'
## Warning: Expecting logical in R9579 / R9579C18: got 'as CaCO3'
## Warning: Expecting logical in M9582 / R9582C13: got '7723-14-0'
## Warning: Expecting logical in R9582 / R9582C18: got 'as P'
## Warning: Expecting logical in W9582 / R9582C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9582 / R9582C24: got '0.02'
## Warning: Expecting logical in Y9582 / R9582C25: got 'mg/L'
## Warning: Expecting logical in W9583 / R9583C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9583 / R9583C24: got '2.0'
## Warning: Expecting logical in Y9583 / R9583C25: got 'mg/L'
```

```
## Warning: Expecting logical in M9584 / R9584C13: got '68583-22-2'
## Warning: Expecting logical in R9585 / R9585C18: got 'as N' \,
## Warning: Expecting logical in W9589 / R9589C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9589 / R9589C24: got '2.0'
## Warning: Expecting logical in Y9589 / R9589C25: got 'mg/L'
## Warning: Expecting logical in R9590 / R9590C18: got 'as CaCO3'
## Warning: Expecting logical in R9592 / R9592C18: got 'as CaCO3'
## Warning: Expecting logical in R9593 / R9593C18: got 'as N'
## Warning: Expecting logical in W9593 / R9593C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9593 / R9593C24: got '0.03'
## Warning: Expecting logical in Y9593 / R9593C25: got 'mg/L'
## Warning: Expecting logical in M9594 / R9594C13: got '68583-22-2'
## Warning: Expecting logical in M9597 / R9597C13: got '7723-14-0'
## Warning: Expecting logical in R9597 / R9597C18: got 'as P'
## Warning: Expecting logical in R9598 / R9598C18: got 'as N'
## Warning: Expecting logical in R9600 / R9600C18: got 'as N'
## Warning: Expecting logical in R9601 / R9601C18: got 'as N'
## Warning: Expecting logical in W9601 / R9601C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9601 / R9601C24: got '0.03'
## Warning: Expecting logical in Y9601 / R9601C25: got 'mg/L'
## Warning: Expecting logical in R9604 / R9604C18: got 'as CaCO3'
## Warning: Expecting logical in R9605 / R9605C18: got 'as CaCO3'
## Warning: Expecting logical in W9606 / R9606C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9606 / R9606C24: got '2.0'
```

```
## Warning: Expecting logical in Y9606 / R9606C25: got 'mg/L'
## Warning: Expecting logical in M9608 / R9608C13: got '68583-22-2'
## Warning: Expecting logical in R9609 / R9609C18: got 'as N'
## Warning: Expecting logical in M9611 / R9611C13: got '7723-14-0'
## Warning: Expecting logical in R9611 / R9611C18: got 'as P'
## Warning: Expecting logical in M9613 / R9613C13: got '68583-22-2'
## Warning: Expecting logical in M9614 / R9614C13: got '68583-22-2'
## Warning: Expecting logical in M9615 / R9615C13: got '68583-22-2'
## Warning: Expecting logical in M9616 / R9616C13: got '68583-22-2'
## Warning: Expecting logical in M9617 / R9617C13: got '68583-22-2'
## Warning: Expecting logical in M9618 / R9618C13: got '68583-22-2'
## Warning: Expecting logical in R9619 / R9619C18: got 'as N'
## Warning: Expecting logical in W9619 / R9619C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9619 / R9619C24: got '0.03'
## Warning: Expecting logical in Y9619 / R9619C25: got 'mg/L'
## Warning: Expecting logical in M9621 / R9621C13: got '7723-14-0'
## Warning: Expecting logical in R9621 / R9621C18: got 'as P'
## Warning: Expecting logical in W9621 / R9621C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9621 / R9621C24: got '0.02'
## Warning: Expecting logical in Y9621 / R9621C25: got 'mg/L'
## Warning: Expecting logical in W9622 / R9622C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9622 / R9622C24: got '2.0'
## Warning: Expecting logical in Y9622 / R9622C25: got 'mg/L'
## Warning: Expecting logical in R9624 / R9624C18: got 'as N'
```

```
## Warning: Expecting logical in W9624 / R9624C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9624 / R9624C24: got '0.20'
## Warning: Expecting logical in Y9624 / R9624C25: got 'mg/L'
## Warning: Expecting logical in R9627 / R9627C18: got 'as CaCO3'
## Warning: Expecting logical in R9628 / R9628C18: got 'as N'
## Warning: Expecting logical in R9629 / R9629C18: got 'as CaCO3'
## Warning: Expecting logical in R9632 / R9632C18: got 'as N'
## Warning: Expecting logical in W9632 / R9632C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9632 / R9632C24: got '0.03'
## Warning: Expecting logical in Y9632 / R9632C25: got 'mg/L'
## Warning: Expecting logical in M9633 / R9633C13: got '7723-14-0'
## Warning: Expecting logical in R9633 / R9633C18: got 'as P'
## Warning: Expecting logical in W9633 / R9633C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9633 / R9633C24: got '0.02'
## Warning: Expecting logical in Y9633 / R9633C25: got 'mg/L'
## Warning: Expecting logical in R9635 / R9635C18: got 'as N'
## Warning: Expecting logical in R9638 / R9638C18: got 'as CaCO3'
## Warning: Expecting logical in R9639 / R9639C18: got 'as N'
## Warning: Expecting logical in W9639 / R9639C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9639 / R9639C24: got '0.20'
## Warning: Expecting logical in Y9639 / R9639C25: got 'mg/L'
## Warning: Expecting logical in R9640 / R9640C18: got 'as CaCO3'
## Warning: Expecting logical in W9641 / R9641C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9641 / R9641C24: got '2.5'
```

```
## Warning: Expecting logical in Y9641 / R9641C25: got 'mg/L'
## Warning: Expecting logical in W9642 / R9642C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9642 / R9642C24: got '2.0'
## Warning: Expecting logical in Y9642 / R9642C25: got 'mg/L'
## Warning: Expecting logical in R9643 / R9643C18: got 'as CaCO3'
## Warning: Expecting logical in W9644 / R9644C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9644 / R9644C24: got '2.0'
## Warning: Expecting logical in Y9644 / R9644C25: got 'mg/L'
## Warning: Expecting logical in R9646 / R9646C18: got 'as N'
## Warning: Expecting logical in R9647 / R9647C18: got 'as CaCO3'
## Warning: Expecting logical in W9649 / R9649C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9649 / R9649C24: got '2.5'
## Warning: Expecting logical in Y9649 / R9649C25: got 'mg/L'
## Warning: Expecting logical in M9651 / R9651C13: got '7723-14-0'
## Warning: Expecting logical in R9651 / R9651C18: got 'as P'
## Warning: Expecting logical in W9651 / R9651C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9651 / R9651C24: got '0.02'
## Warning: Expecting logical in Y9651 / R9651C25: got 'mg/L'
## Warning: Expecting logical in R9653 / R9653C18: got 'as N'
## Warning: Expecting logical in W9653 / R9653C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9653 / R9653C24: got '0.03'
## Warning: Expecting logical in Y9653 / R9653C25: got 'mg/L'
## Warning: Expecting logical in R9654 / R9654C18: got 'as N'
## Warning: Expecting logical in W9654 / R9654C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9654 / R9654C24: got '0.20'
## Warning: Expecting logical in Y9654 / R9654C25: got 'mg/L'
## Warning: Expecting logical in M9655 / R9655C13: got '68583-22-2'
## Warning: Expecting logical in M9656 / R9656C13: got '68583-22-2'
## Warning: Expecting logical in M9657 / R9657C13: got '68583-22-2'
## Warning: Expecting logical in M9658 / R9658C13: got '68583-22-2'
## Warning: Expecting logical in M9659 / R9659C13: got '68583-22-2'
## Warning: Expecting logical in R9662 / R9662C18: got 'as N'
## Warning: Expecting logical in W9662 / R9662C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9662 / R9662C24: got '0.20'
## Warning: Expecting logical in Y9662 / R9662C25: got 'mg/L'
## Warning: Expecting logical in R9663 / R9663C18: got 'as CaCO3'
## Warning: Expecting logical in M9664 / R9664C13: got '14265-44-2'
## Warning: Expecting logical in R9664 / R9664C18: got 'as P'
## Warning: Expecting logical in W9664 / R9664C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9664 / R9664C24: got '0.04'
## Warning: Expecting logical in Y9664 / R9664C25: got 'mg/L'
## Warning: Expecting logical in M9666 / R9666C13: got '7723-14-0'
## Warning: Expecting logical in R9666 / R9666C18: got 'as P'
## Warning: Expecting logical in W9666 / R9666C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9666 / R9666C24: got '0.02'
## Warning: Expecting logical in Y9666 / R9666C25: got 'mg/L'
## Warning: Expecting logical in R9667 / R9667C18: got 'as CaCO3'
## Warning: Expecting logical in R9669 / R9669C18: got 'as N'
```

```
## Warning: Expecting logical in W9670 / R9670C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9670 / R9670C24: got '2.5'
## Warning: Expecting logical in Y9670 / R9670C25: got 'mg/L'
## Warning: Expecting logical in R9671 / R9671C18: got 'as N'
## Warning: Expecting logical in W9671 / R9671C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9671 / R9671C24: got '0.03'
## Warning: Expecting logical in Y9671 / R9671C25: got 'mg/L'
## Warning: Expecting logical in W9673 / R9673C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9673 / R9673C24: got '2.0'
## Warning: Expecting logical in Y9673 / R9673C25: got 'mg/L'
## Warning: Expecting logical in R9675 / R9675C18: got 'as CaCO3'
## Warning: Expecting logical in R9676 / R9676C18: got 'as N'
## Warning: Expecting logical in W9676 / R9676C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9676 / R9676C24: got '0.03'
## Warning: Expecting logical in Y9676 / R9676C25: got 'mg/L'
## Warning: Expecting logical in M9678 / R9678C13: got '7723-14-0'
## Warning: Expecting logical in R9678 / R9678C18: got 'as P'
## Warning: Expecting logical in W9679 / R9679C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9679 / R9679C24: got '2.0'
## Warning: Expecting logical in Y9679 / R9679C25: got 'mg/L'
## Warning: Expecting logical in R9681 / R9681C18: got 'as N'
## Warning: Expecting logical in R9683 / R9683C18: got 'as N'
## Warning: Expecting logical in R9684 / R9684C18: got 'as CaCO3'
## Warning: Expecting logical in W9687 / R9687C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9687 / R9687C24: got '2.5'
## Warning: Expecting logical in Y9687 / R9687C25: got 'mg/L'
## Warning: Expecting logical in R9688 / R9688C18: got 'as N'
## Warning: Expecting logical in W9688 / R9688C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9688 / R9688C24: got '0.20'
## Warning: Expecting logical in Y9688 / R9688C25: got 'mg/L'
## Warning: Expecting logical in R9692 / R9692C18: got 'as N'
## Warning: Expecting logical in W9692 / R9692C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9692 / R9692C24: got '0.03'
## Warning: Expecting logical in Y9692 / R9692C25: got 'mg/L'
## Warning: Expecting logical in W9693 / R9693C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9693 / R9693C24: got '2.0'
## Warning: Expecting logical in Y9693 / R9693C25: got 'mg/L'
## Warning: Expecting logical in M9694 / R9694C13: got '7723-14-0'
## Warning: Expecting logical in R9694 / R9694C18: got 'as P'
## Warning: Expecting logical in W9694 / R9694C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9694 / R9694C24: got '0.02'
## Warning: Expecting logical in Y9694 / R9694C25: got 'mg/L'
## Warning: Expecting logical in R9695 / R9695C18: got 'as CaCO3'
## Warning: Expecting logical in R9697 / R9697C18: got 'as CaCO3'
## Warning: Expecting logical in R9698 / R9698C18: got 'as N'
## Warning: Expecting logical in R9701 / R9701C18: got 'as CaCO3'
## Warning: Expecting logical in R9704 / R9704C18: got 'as N'
## Warning: Expecting logical in R9705 / R9705C18: got 'as N'
```

```
## Warning: Expecting logical in W9707 / R9707C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9707 / R9707C24: got '2.5'
## Warning: Expecting logical in Y9707 / R9707C25: got 'mg/L'
## Warning: Expecting logical in R9708 / R9708C18: got 'as N'
## Warning: Expecting logical in W9709 / R9709C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9709 / R9709C24: got '2.0'
## Warning: Expecting logical in Y9709 / R9709C25: got 'mg/L'
## Warning: Expecting logical in R9710 / R9710C18: got 'as CaCO3'
## Warning: Expecting logical in M9711 / R9711C13: got '7723-14-0'
## Warning: Expecting logical in R9711 / R9711C18: got 'as P'
## Warning: Expecting logical in M9713 / R9713C13: got '68583-22-2'
## Warning: Expecting logical in W9715 / R9715C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9715 / R9715C24: got '2.5'
## Warning: Expecting logical in Y9715 / R9715C25: got 'mg/L'
## Warning: Expecting logical in W9716 / R9716C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9716 / R9716C24: got '2.0'
## Warning: Expecting logical in Y9716 / R9716C25: got 'mg/L'
## Warning: Expecting logical in M9717 / R9717C13: got '7723-14-0'
## Warning: Expecting logical in R9717 / R9717C18: got 'as P'
## Warning: Expecting logical in W9717 / R9717C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9717 / R9717C24: got '0.02'
## Warning: Expecting logical in Y9717 / R9717C25: got 'mg/L'
## Warning: Expecting logical in R9718 / R9718C18: got 'as N'
## Warning: Expecting logical in W9718 / R9718C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9718 / R9718C24: got '0.20'
## Warning: Expecting logical in Y9718 / R9718C25: got 'mg/L'
## Warning: Expecting logical in R9719 / R9719C18: got 'as N'
## Warning: Expecting logical in W9719 / R9719C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9719 / R9719C24: got '0.03'
## Warning: Expecting logical in Y9719 / R9719C25: got 'mg/L'
## Warning: Expecting logical in R9720 / R9720C18: got 'as CaCO3'
## Warning: Expecting logical in R9722 / R9722C18: got 'as CaCO3'
## Warning: Expecting logical in R9724 / R9724C18: got 'as N'
## Warning: Expecting logical in R9726 / R9726C18: got 'as N'
## Warning: Expecting logical in W9726 / R9726C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9726 / R9726C24: got '0.02'
## Warning: Expecting logical in Y9726 / R9726C25: got 'mg/L'
## Warning: Expecting logical in W9728 / R9728C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9728 / R9728C24: got '2.5'
## Warning: Expecting logical in Y9728 / R9728C25: got 'mg/L'
## Warning: Expecting logical in W9730 / R9730C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9730 / R9730C24: got '2.0'
## Warning: Expecting logical in Y9730 / R9730C25: got 'mg/L'
## Warning: Expecting logical in M9731 / R9731C13: got '68583-22-2'
## Warning: Expecting logical in R9733 / R9733C18: got 'as N'
## Warning: Expecting logical in W9733 / R9733C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9733 / R9733C24: got '0.20'
## Warning: Expecting logical in Y9733 / R9733C25: got 'mg/L'
```

```
## Warning: Expecting logical in R9734 / R9734C18: got 'as CaCO3'
## Warning: Expecting logical in M9736 / R9736C13: got '7723-14-0'
## Warning: Expecting logical in R9736 / R9736C18: got 'as P'
## Warning: Expecting logical in W9736 / R9736C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9736 / R9736C24: got '0.02'
## Warning: Expecting logical in Y9736 / R9736C25: got 'mg/L'
## Warning: Expecting logical in R9737 / R9737C18: got 'as CaCO3'
## Warning: Expecting logical in R9738 / R9738C18: got 'as N'
## Warning: Expecting logical in W9738 / R9738C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9738 / R9738C24: got '0.03'
## Warning: Expecting logical in Y9738 / R9738C25: got 'mg/L'
## Warning: Expecting logical in R9739 / R9739C18: got 'as CaCO3'
## Warning: Expecting logical in M9742 / R9742C13: got '68583-22-2'
## Warning: Expecting logical in W9743 / R9743C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9743 / R9743C24: got '1.0'
## Warning: Expecting logical in Y9743 / R9743C25: got 'NTU'
## Warning: Expecting logical in R9744 / R9744C18: got 'as CaCO3'
## Warning: Expecting logical in R9745 / R9745C18: got 'as N'
## Warning: Expecting logical in W9745 / R9745C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9745 / R9745C24: got '0.02'
## Warning: Expecting logical in Y9745 / R9745C25: got 'mg/L'
## Warning: Expecting logical in R9746 / R9746C18: got 'as N'
## Warning: Expecting logical in W9746 / R9746C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9746 / R9746C24: got '0.20'
```

```
## Warning: Expecting logical in Y9746 / R9746C25: got 'mg/L'
## Warning: Expecting logical in R9747 / R9747C18: got 'as N'
## Warning: Expecting logical in W9747 / R9747C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9747 / R9747C24: got '0.03'
## Warning: Expecting logical in Y9747 / R9747C25: got 'mg/L'
## Warning: Expecting logical in W9749 / R9749C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9749 / R9749C24: got '2.5'
## Warning: Expecting logical in Y9749 / R9749C25: got 'mg/L'
## Warning: Expecting logical in M9750 / R9750C13: got '7723-14-0'
## Warning: Expecting logical in R9750 / R9750C18: got 'as P'
## Warning: Expecting logical in W9750 / R9750C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9750 / R9750C24: got '0.02'
## Warning: Expecting logical in Y9750 / R9750C25: got 'mg/L'
## Warning: Expecting logical in W9751 / R9751C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9751 / R9751C24: got '2.0'
## Warning: Expecting logical in Y9751 / R9751C25: got 'mg/L'
## Warning: Expecting logical in R9752 / R9752C18: got 'as N'
## Warning: Expecting logical in M9754 / R9754C13: got '7723-14-0'
## Warning: Expecting logical in R9754 / R9754C18: got 'as P'
## Warning: Expecting logical in W9754 / R9754C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9754 / R9754C24: got '0.02'
## Warning: Expecting logical in Y9754 / R9754C25: got 'mg/L'
## Warning: Expecting logical in R9756 / R9756C18: got 'as N'
## Warning: Expecting logical in W9756 / R9756C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9756 / R9756C24: got '0.20'
## Warning: Expecting logical in Y9756 / R9756C25: got 'mg/L'
## Warning: Expecting logical in R9758 / R9758C18: got 'as CaCO3'
## Warning: Expecting logical in R9759 / R9759C18: got 'as N'
## Warning: Expecting logical in W9759 / R9759C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9759 / R9759C24: got '0.03'
## Warning: Expecting logical in Y9759 / R9759C25: got 'mg/L'
## Warning: Expecting logical in W9760 / R9760C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9760 / R9760C24: got '2.5'
## Warning: Expecting logical in Y9760 / R9760C25: got 'mg/L'
## Warning: Expecting logical in W9762 / R9762C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9762 / R9762C24: got '2.0'
## Warning: Expecting logical in Y9762 / R9762C25: got 'mg/L'
## Warning: Expecting logical in R9763 / R9763C18: got 'as CaCO3'
## Warning: Expecting logical in M9764 / R9764C13: got '68583-22-2'
## Warning: Expecting logical in R9765 / R9765C18: got 'as CaCO3'
## Warning: Expecting logical in R9766 / R9766C18: got 'as N'
## Warning: Expecting logical in M9770 / R9770C13: got '7723-14-0'
## Warning: Expecting logical in R9770 / R9770C18: got 'as P'
## Warning: Expecting logical in R9771 / R9771C18: got 'as CaCO3'
## Warning: Expecting logical in R9773 / R9773C18: got 'as N'
## Warning: Expecting logical in R9774 / R9774C18: got 'as N'
## Warning: Expecting logical in W9776 / R9776C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9776 / R9776C24: got '2.0'
```

```
## Warning: Expecting logical in Y9776 / R9776C25: got 'mg/L'
## Warning: Expecting logical in R9779 / R9779C18: got 'as CaCO3'
## Warning: Expecting logical in W9780 / R9780C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9780 / R9780C24: got '2.5'
## Warning: Expecting logical in Y9780 / R9780C25: got 'mg/L'
## Warning: Expecting logical in R9782 / R9782C18: got 'as CaCO3'
## Warning: Expecting logical in R9783 / R9783C18: got 'as N'
## Warning: Expecting logical in W9783 / R9783C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9783 / R9783C24: got '0.03'
## Warning: Expecting logical in Y9783 / R9783C25: got 'mg/L'
## Warning: Expecting logical in R9784 / R9784C18: got 'as N'
## Warning: Expecting logical in W9784 / R9784C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9784 / R9784C24: got '0.20'
## Warning: Expecting logical in Y9784 / R9784C25: got 'mg/L'
## Warning: Expecting logical in W9785 / R9785C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9785 / R9785C24: got '2.0'
## Warning: Expecting logical in Y9785 / R9785C25: got 'mg/L'
## Warning: Expecting logical in M9786 / R9786C13: got '7723-14-0'
## Warning: Expecting logical in R9786 / R9786C18: got 'as P'
## Warning: Expecting logical in W9786 / R9786C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9786 / R9786C24: got '0.02'
## Warning: Expecting logical in Y9786 / R9786C25: got 'mg/L'
## Warning: Expecting logical in R9788 / R9788C18: got 'as N'
## Warning: Expecting logical in W9789 / R9789C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9789 / R9789C24: got '2.5'
## Warning: Expecting logical in Y9789 / R9789C25: got 'mg/L'
## Warning: Expecting logical in R9790 / R9790C18: got 'as CaCO3'
## Warning: Expecting logical in R9791 / R9791C18: got 'as CaCO3'
## Warning: Expecting logical in M9792 / R9792C13: got '7723-14-0'
## Warning: Expecting logical in R9792 / R9792C18: got 'as P'
## Warning: Expecting logical in W9792 / R9792C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9792 / R9792C24: got '0.02'
## Warning: Expecting logical in Y9792 / R9792C25: got 'mg/L'
## Warning: Expecting logical in W9793 / R9793C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9793 / R9793C24: got '2.0'
## Warning: Expecting logical in Y9793 / R9793C25: got 'mg/L'
## Warning: Expecting logical in R9794 / R9794C18: got 'as N'
## Warning: Expecting logical in W9794 / R9794C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9794 / R9794C24: got '0.20'
## Warning: Expecting logical in Y9794 / R9794C25: got 'mg/L'
## Warning: Expecting logical in R9795 / R9795C18: got 'as N'
## Warning: Expecting logical in W9795 / R9795C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9795 / R9795C24: got '0.03'
## Warning: Expecting logical in Y9795 / R9795C25: got 'mg/L'
## Warning: Expecting logical in R9799 / R9799C18: got 'as N'
## Warning: Expecting logical in R9801 / R9801C18: got 'as CaCO3'
## Warning: Expecting logical in M9804 / R9804C13: got '7723-14-0'
## Warning: Expecting logical in R9804 / R9804C18: got 'as P'
```

```
## Warning: Expecting logical in W9804 / R9804C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9804 / R9804C24: got '0.02'
## Warning: Expecting logical in Y9804 / R9804C25: got 'mg/L'
## Warning: Expecting logical in W9807 / R9807C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9807 / R9807C24: got '2.5'
## Warning: Expecting logical in Y9807 / R9807C25: got 'mg/L'
## Warning: Expecting logical in R9808 / R9808C18: got 'as N'
## Warning: Expecting logical in W9808 / R9808C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9808 / R9808C24: got '0.03'
## Warning: Expecting logical in Y9808 / R9808C25: got 'mg/L'
## Warning: Expecting logical in W9809 / R9809C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9809 / R9809C24: got '2.0'
## Warning: Expecting logical in Y9809 / R9809C25: got 'mg/L'
## Warning: Expecting logical in R9810 / R9810C18: got 'as N'
## Warning: Expecting logical in W9810 / R9810C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9810 / R9810C24: got '0.20'
## Warning: Expecting logical in Y9810 / R9810C25: got 'mg/L'
## Warning: Expecting logical in R9811 / R9811C18: got 'as N'
## Warning: Expecting logical in R9812 / R9812C18: got 'as CaCO3'
## Warning: Expecting logical in M9813 / R9813C13: got '68583-22-2'
## Warning: Expecting logical in M9814 / R9814C13: got '68583-22-2'
## Warning: Expecting logical in M9815 / R9815C13: got '68583-22-2'
## Warning: Expecting logical in M9816 / R9816C13: got '68583-22-2'
## Warning: Expecting logical in M9817 / R9817C13: got '68583-22-2'
```

```
## Warning: Expecting logical in M9818 / R9818C13: got '68583-22-2'
## Warning: Expecting logical in M9819 / R9819C13: got '68583-22-2'
## Warning: Expecting logical in M9820 / R9820C13: got '68583-22-2'
## Warning: Expecting logical in M9821 / R9821C13: got '68583-22-2'
## Warning: Expecting logical in M9822 / R9822C13: got '68583-22-2'
## Warning: Expecting logical in M9823 / R9823C13: got '68583-22-2'
## Warning: Expecting logical in M9824 / R9824C13: got '68583-22-2'
## Warning: Expecting logical in M9825 / R9825C13: got '68583-22-2'
## Warning: Expecting logical in M9826 / R9826C13: got '68583-22-2'
## Warning: Expecting logical in M9827 / R9827C13: got '68583-22-2'
## Warning: Expecting logical in M9828 / R9828C13: got '14265-44-2'
## Warning: Expecting logical in R9828 / R9828C18: got 'as P'
## Warning: Expecting logical in W9828 / R9828C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9828 / R9828C24: got '0.04'
## Warning: Expecting logical in Y9828 / R9828C25: got 'mg/L'
## Warning: Expecting logical in R9830 / R9830C18: got 'as CaCO3'
## Warning: Expecting logical in R9831 / R9831C18: got 'as N'
## Warning: Expecting logical in W9831 / R9831C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9831 / R9831C24: got '0.02'
## Warning: Expecting logical in Y9831 / R9831C25: got 'mg/L'
## Warning: Expecting logical in M9832 / R9832C13: got '7723-14-0'
## Warning: Expecting logical in R9832 / R9832C18: got 'as P'
## Warning: Expecting logical in R9833 / R9833C18: got 'as CaCO3'
## Warning: Expecting logical in R9834 / R9834C18: got 'as N'
```

```
## Warning: Expecting logical in W9834 / R9834C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9834 / R9834C24: got '0.03'
## Warning: Expecting logical in Y9834 / R9834C25: got 'mg/L'
## Warning: Expecting logical in R9835 / R9835C18: got 'as N'
## Warning: Expecting logical in W9840 / R9840C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9840 / R9840C24: got '2.0'
## Warning: Expecting logical in Y9840 / R9840C25: got 'mg/L'
## Warning: Expecting logical in R9843 / R9843C18: got 'as CaCO3'
## Warning: Expecting logical in R9844 / R9844C18: got 'as N'
## Warning: Expecting logical in W9844 / R9844C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9844 / R9844C24: got '0.20'
## Warning: Expecting logical in Y9844 / R9844C25: got 'mg/L'
## Warning: Expecting logical in R9848 / R9848C18: got 'as CaCO3'
## Warning: Expecting logical in R9850 / R9850C18: got 'as N'
## Warning: Expecting logical in W9852 / R9852C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9852 / R9852C24: got '2.0'
## Warning: Expecting logical in Y9852 / R9852C25: got 'mg/L'
## Warning: Expecting logical in M9853 / R9853C13: got '7723-14-0'
## Warning: Expecting logical in R9853 / R9853C18: got 'as P'
## Warning: Expecting logical in W9853 / R9853C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9853 / R9853C24: got '0.02'
## Warning: Expecting logical in Y9853 / R9853C25: got 'mg/L'
## Warning: Expecting logical in R9854 / R9854C18: got 'as N'
## Warning: Expecting logical in W9854 / R9854C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9854 / R9854C24: got '0.03'
## Warning: Expecting logical in Y9854 / R9854C25: got 'mg/L'
## Warning: Expecting logical in M9855 / R9855C13: got '14265-44-2'
## Warning: Expecting logical in R9855 / R9855C18: got 'as P'
## Warning: Expecting logical in W9855 / R9855C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9855 / R9855C24: got '0.04'
## Warning: Expecting logical in Y9855 / R9855C25: got 'mg/L'
## Warning: Expecting logical in R9856 / R9856C18: got 'as N'
## Warning: Expecting logical in R9857 / R9857C18: got 'as N'
## Warning: Expecting logical in R9860 / R9860C18: got 'as CaCO3'
## Warning: Expecting logical in W9864 / R9864C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9864 / R9864C24: got '2.0'
## Warning: Expecting logical in Y9864 / R9864C25: got 'mg/L'
## Warning: Expecting logical in M9866 / R9866C13: got '7723-14-0'
## Warning: Expecting logical in R9866 / R9866C18: got 'as P'
## Warning: Expecting logical in R9867 / R9867C18: got 'as N'
## Warning: Expecting logical in R9868 / R9868C18: got 'as CaCO3'
## Warning: Expecting logical in R9869 / R9869C18: got 'as CaCO3'
## Warning: Expecting logical in M9871 / R9871C13: got '7723-14-0'
## Warning: Expecting logical in R9871 / R9871C18: got 'as P'
## Warning: Expecting logical in R9872 / R9872C18: got 'as N'
## Warning: Expecting logical in W9872 / R9872C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9872 / R9872C24: got '0.20'
## Warning: Expecting logical in Y9872 / R9872C25: got 'mg/L'
```

```
## Warning: Expecting logical in M9873 / R9873C13: got '14265-44-2'
## Warning: Expecting logical in R9873 / R9873C18: got 'as P'
## Warning: Expecting logical in W9873 / R9873C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9873 / R9873C24: got '0.04'
## Warning: Expecting logical in Y9873 / R9873C25: got 'mg/L'
## Warning: Expecting logical in R9878 / R9878C18: got 'as CaCO3'
## Warning: Expecting logical in R9880 / R9880C18: got 'as N'
## Warning: Expecting logical in W9881 / R9881C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9881 / R9881C24: got '2.0'
## Warning: Expecting logical in Y9881 / R9881C25: got 'mg/L'
## Warning: Expecting logical in R9882 / R9882C18: got 'as N'
## Warning: Expecting logical in W9882 / R9882C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9882 / R9882C24: got '0.03'
## Warning: Expecting logical in Y9882 / R9882C25: got 'mg/L'
## Warning: Expecting logical in M9884 / R9884C13: got '7723-14-0'
## Warning: Expecting logical in R9884 / R9884C18: got 'as P'
## Warning: Expecting logical in W9884 / R9884C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9884 / R9884C24: got '0.02'
## Warning: Expecting logical in Y9884 / R9884C25: got 'mg/L'
## Warning: Expecting logical in W9885 / R9885C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9885 / R9885C24: got '2.5'
## Warning: Expecting logical in Y9885 / R9885C25: got 'mg/L'
## Warning: Expecting logical in R9887 / R9887C18: got 'as N'
## Warning: Expecting logical in R9889 / R9889C18: got 'as N'
```

```
## Warning: Expecting logical in R9890 / R9890C18: got 'as CaCO3'
## Warning: Expecting logical in R9891 / R9891C18: got 'as CaCO3'
## Warning: Expecting logical in W9892 / R9892C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9892 / R9892C24: got '2.0'
## Warning: Expecting logical in Y9892 / R9892C25: got 'mg/L'
## Warning: Expecting logical in R9893 / R9893C18: got 'as N'
## Warning: Expecting logical in W9893 / R9893C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9893 / R9893C24: got '0.03'
## Warning: Expecting logical in Y9893 / R9893C25: got 'mg/L'
## Warning: Expecting logical in M9896 / R9896C13: got '14265-44-2'
## Warning: Expecting logical in R9896 / R9896C18: got 'as P'
## Warning: Expecting logical in W9896 / R9896C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9896 / R9896C24: got '0.04'
## Warning: Expecting logical in Y9896 / R9896C25: got 'mg/L'
## Warning: Expecting logical in R9897 / R9897C18: got 'as CaCO3'
## Warning: Expecting logical in R9900 / R9900C18: got 'as N'
## Warning: Expecting logical in W9900 / R9900C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9900 / R9900C24: got '0.03'
## Warning: Expecting logical in Y9900 / R9900C25: got 'mg/L'
## Warning: Expecting logical in M9901 / R9901C13: got '7723-14-0'
## Warning: Expecting logical in R9901 / R9901C18: got 'as P'
## Warning: Expecting logical in M9904 / R9904C13: got '14265-44-2'
## Warning: Expecting logical in R9904 / R9904C18: got 'as P'
## Warning: Expecting logical in W9904 / R9904C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X9904 / R9904C24: got '0.04'
## Warning: Expecting logical in Y9904 / R9904C25: got 'mg/L'
## Warning: Expecting logical in W9905 / R9905C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9905 / R9905C24: got '2.0'
## Warning: Expecting logical in Y9905 / R9905C25: got 'mg/L'
## Warning: Expecting logical in R9908 / R9908C18: got 'as CaCO3'
## Warning: Expecting logical in R9909 / R9909C18: got 'as N'
## Warning: Expecting logical in R9910 / R9910C18: got 'as N'
## Warning: Expecting logical in R9911 / R9911C18: got 'as CaCO3'
## Warning: Expecting logical in W9912 / R9912C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9912 / R9912C24: got '2.5'
## Warning: Expecting logical in Y9912 / R9912C25: got 'mg/L'
## Warning: Expecting logical in R9913 / R9913C18: got 'as N'
## Warning: Expecting logical in M9917 / R9917C13: got '7723-14-0'
## Warning: Expecting logical in R9917 / R9917C18: got 'as P'
## Warning: Expecting logical in R9918 / R9918C18: got 'as CaCO3'
## Warning: Expecting logical in M9919 / R9919C13: got '14265-44-2'
## Warning: Expecting logical in R9919 / R9919C18: got 'as P'
## Warning: Expecting logical in W9919 / R9919C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9919 / R9919C24: got '0.04'
## Warning: Expecting logical in Y9919 / R9919C25: got 'mg/L'
## Warning: Expecting logical in R9920 / R9920C18: got 'as N'
## Warning: Expecting logical in W9923 / R9923C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9923 / R9923C24: got '2.0'
```

```
## Warning: Expecting logical in Y9923 / R9923C25: got 'mg/L'
## Warning: Expecting logical in R9924 / R9924C18: got 'as N'
## Warning: Expecting logical in R9925 / R9925C18: got 'as N'
## Warning: Expecting logical in M9926 / R9926C13: got '14265-44-2'
## Warning: Expecting logical in R9926 / R9926C18: got 'as P'
## Warning: Expecting logical in W9926 / R9926C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9926 / R9926C24: got '0.04'
## Warning: Expecting logical in Y9926 / R9926C25: got 'mg/L'
## Warning: Expecting logical in R9928 / R9928C18: got 'as N'
## Warning: Expecting logical in R9929 / R9929C18: got 'as CaCO3'
## Warning: Expecting logical in R9935 / R9935C18: got 'as CaCO3'
## Warning: Expecting logical in W9936 / R9936C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9936 / R9936C24: got '2.0'
## Warning: Expecting logical in Y9936 / R9936C25: got 'mg/L'
## Warning: Expecting logical in R9937 / R9937C18: got 'as N'
## Warning: Expecting logical in M9938 / R9938C13: got '7723-14-0'
## Warning: Expecting logical in R9938 / R9938C18: got 'as P'
## Warning: Expecting logical in R9940 / R9940C18: got 'as N'
## Warning: Expecting logical in W9940 / R9940C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9940 / R9940C24: got '0.03'
## Warning: Expecting logical in Y9940 / R9940C25: got 'mg/L'
## Warning: Expecting logical in W9943 / R9943C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9943 / R9943C24: got '2.0'
## Warning: Expecting logical in Y9943 / R9943C25: got 'mg/L'
```

```
## Warning: Expecting logical in R9944 / R9944C18: got 'as N'
## Warning: Expecting logical in R9945 / R9945C18: got 'as CaCO3'
## Warning: Expecting logical in M9946 / R9946C13: got '7723-14-0'
## Warning: Expecting logical in R9946 / R9946C18: got 'as P'
## Warning: Expecting logical in R9949 / R9949C18: got 'as CaCO3'
## Warning: Expecting logical in R9951 / R9951C18: got 'as N'
## Warning: Expecting logical in W9951 / R9951C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9951 / R9951C24: got '0.02'
## Warning: Expecting logical in Y9951 / R9951C25: got 'mg/L'
## Warning: Expecting logical in R9955 / R9955C18: got 'as N'
## Warning: Expecting logical in M9956 / R9956C13: got '7723-14-0'
## Warning: Expecting logical in R9956 / R9956C18: got 'as P'
## Warning: Expecting logical in R9957 / R9957C18: got 'as N'
## Warning: Expecting logical in R9958 / R9958C18: got 'as CaCO3'
## Warning: Expecting logical in W9959 / R9959C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9959 / R9959C24: got '2.0'
## Warning: Expecting logical in Y9959 / R9959C25: got 'mg/L'
## Warning: Expecting logical in R9960 / R9960C18: got 'as N'
## Warning: Expecting logical in W9960 / R9960C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9960 / R9960C24: got '0.03'
## Warning: Expecting logical in Y9960 / R9960C25: got 'mg/L'
## Warning: Expecting logical in R9964 / R9964C18: got 'as CaCO3'
## Warning: Expecting logical in R9965 / R9965C18: got 'as N'
## Warning: Expecting logical in R9966 / R9966C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in M9969 / R9969C13: got '14265-44-2'
## Warning: Expecting logical in R9969 / R9969C18: got 'as P'
## Warning: Expecting logical in W9969 / R9969C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9969 / R9969C24: got '0.04'
## Warning: Expecting logical in Y9969 / R9969C25: got 'mg/L'
## Warning: Expecting logical in M9970 / R9970C13: got '68583-22-2'
## Warning: Expecting logical in W9971 / R9971C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9971 / R9971C24: got '2.0'
## Warning: Expecting logical in Y9971 / R9971C25: got 'mg/L'
## Warning: Expecting logical in R9972 / R9972C18: got 'as N'
## Warning: Expecting logical in W9972 / R9972C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9972 / R9972C24: got '0.03'
## Warning: Expecting logical in Y9972 / R9972C25: got 'mg/L'
## Warning: Expecting logical in M9973 / R9973C13: got '7723-14-0'
## Warning: Expecting logical in R9973 / R9973C18: got 'as P'
## Warning: Expecting logical in R9977 / R9977C18: got 'as CaCO3'
## Warning: Expecting logical in R9978 / R9978C18: got 'as N'
## Warning: Expecting logical in R9980 / R9980C18: got 'as N'
## Warning: Expecting logical in R9981 / R9981C18: got 'as CaCO3'
## Warning: Expecting logical in W9982 / R9982C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9982 / R9982C24: got '2.5'
## Warning: Expecting logical in Y9982 / R9982C25: got 'mg/L'
## Warning: Expecting logical in R9983 / R9983C18: got 'as CaCO3'
## Warning: Expecting logical in R9984 / R9984C18: got 'as N'
```

```
## Warning: Expecting logical in R9986 / R9986C18: got 'as N'
## Warning: Expecting logical in M9990 / R9990C13: got '7723-14-0'
## Warning: Expecting logical in R9990 / R9990C18: got 'as P'
## Warning: Expecting logical in W9992 / R9992C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9992 / R9992C24: got '2.0'
## Warning: Expecting logical in Y9992 / R9992C25: got 'mg/L'
## Warning: Expecting logical in M9993 / R9993C13: got '68583-22-2'
## Warning: Expecting logical in R9994 / R9994C18: got 'as N'
## Warning: Expecting logical in W9994 / R9994C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9994 / R9994C24: got '0.03'
## Warning: Expecting logical in Y9994 / R9994C25: got 'mg/L'
## Warning: Expecting logical in M9995 / R9995C13: got '68583-22-2'
## Warning: Expecting logical in R9998 / R9998C18: got 'as CaCO3'
## Warning: Expecting logical in W9999 / R9999C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X9999 / R9999C24: got '2.0'
## Warning: Expecting logical in Y9999 / R9999C25: got 'mg/L'
## Warning: Expecting logical in M10000 / R10000C13: got '14265-44-2'
## Warning: Expecting logical in R10000 / R10000C18: got 'as P'
## Warning: Expecting logical in W10000 / R10000C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10000 / R10000C24: got '0.04'
## Warning: Expecting logical in Y10000 / R10000C25: got 'mg/L'
## Warning: Expecting logical in M10001 / R10001C13: got '7723-14-0'
## Warning: Expecting logical in R10001 / R10001C18: got 'as P'
## Warning: Expecting logical in R10005 / R10005C18: got 'as N'
```

```
## Warning: Expecting logical in R10006 / R10006C18: got 'as CaCO3'
## Warning: Expecting logical in W10007 / R10007C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10007 / R10007C24: got '2.5'
## Warning: Expecting logical in Y10007 / R10007C25: got 'mg/L'
## Warning: Expecting logical in R10008 / R10008C18: got 'as N'
## Warning: Expecting logical in R10011 / R10011C18: got 'as N'
## Warning: Expecting logical in R10012 / R10012C18: got 'as N' \,
## Warning: Expecting logical in W10012 / R10012C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10012 / R10012C24: got '0.03'
## Warning: Expecting logical in Y10012 / R10012C25: got 'mg/L'
## Warning: Expecting logical in R10015 / R10015C18: got 'as CaCO3'
## Warning: Expecting logical in R10016 / R10016C18: got 'as N'
## Warning: Expecting logical in R10018 / R10018C18: got 'as CaCO3'
## Warning: Expecting logical in M10019 / R10019C13: got '14265-44-2'
## Warning: Expecting logical in R10019 / R10019C18: got 'as P'
## Warning: Expecting logical in W10019 / R10019C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10019 / R10019C24: got '0.04'
## Warning: Expecting logical in Y10019 / R10019C25: got 'mg/L'
## Warning: Expecting logical in W10020 / R10020C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10020 / R10020C24: got '2.0'
## Warning: Expecting logical in Y10020 / R10020C25: got 'mg/L'
## Warning: Expecting logical in M10021 / R10021C13: got '7723-14-0'
## Warning: Expecting logical in R10021 / R10021C18: got 'as P'
## Warning: Expecting logical in W10022 / R10022C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X10022 / R10022C24: got '2.5'
## Warning: Expecting logical in Y10022 / R10022C25: got 'mg/L'
## Warning: Expecting logical in R10025 / R10025C18: got 'as CaCO3'
## Warning: Expecting logical in M10026 / R10026C13: got '14265-44-2'
## Warning: Expecting logical in R10026 / R10026C18: got 'as P'
## Warning: Expecting logical in W10026 / R10026C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10026 / R10026C24: got '0.04'
## Warning: Expecting logical in Y10026 / R10026C25: got 'mg/L'
## Warning: Expecting logical in R10027 / R10027C18: got 'as N' \,
## Warning: Expecting logical in W10027 / R10027C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10027 / R10027C24: got '0.03'
## Warning: Expecting logical in Y10027 / R10027C25: got 'mg/L'
## Warning: Expecting logical in R10028 / R10028C18: got 'as N'
## Warning: Expecting logical in W10029 / R10029C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10029 / R10029C24: got '2.0'
## Warning: Expecting logical in Y10029 / R10029C25: got 'mg/L'
## Warning: Expecting logical in R10032 / R10032C18: got 'as CaCO3'
## Warning: Expecting logical in M10033 / R10033C13: got '7723-14-0'
## Warning: Expecting logical in R10033 / R10033C18: got 'as P'
## Warning: Expecting logical in R10036 / R10036C18: got 'as N'
## Warning: Expecting logical in R10037 / R10037C18: got 'as N'
## Warning: Expecting logical in R10038 / R10038C18: got 'as CaCO3'
## Warning: Expecting logical in R10040 / R10040C18: got 'as N'
## Warning: Expecting logical in M10041 / R10041C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R10041 / R10041C18: got 'as P'
## Warning: Expecting logical in M10043 / R10043C13: got '14265-44-2'
## Warning: Expecting logical in R10043 / R10043C18: got 'as P'
## Warning: Expecting logical in W10043 / R10043C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10043 / R10043C24: got '0.04'
## Warning: Expecting logical in Y10043 / R10043C25: got 'mg/L'
## Warning: Expecting logical in R10044 / R10044C18: got 'as CaCO3'
## Warning: Expecting logical in W10045 / R10045C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10045 / R10045C24: got '2.0'
## Warning: Expecting logical in Y10045 / R10045C25: got 'mg/L'
## Warning: Expecting logical in R10046 / R10046C18: got 'as N'
## Warning: Expecting logical in W10046 / R10046C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10046 / R10046C24: got '0.03'
## Warning: Expecting logical in Y10046 / R10046C25: got 'mg/L'
## Warning: Expecting logical in M10051 / R10051C13: got '68583-22-2'
## Warning: Expecting logical in M10053 / R10053C13: got '14265-44-2'
## Warning: Expecting logical in R10053 / R10053C18: got 'as P'
## Warning: Expecting logical in W10053 / R10053C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10053 / R10053C24: got '0.04'
## Warning: Expecting logical in Y10053 / R10053C25: got 'mg/L'
## Warning: Expecting logical in R10054 / R10054C18: got 'as N'
## Warning: Expecting logical in W10054 / R10054C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10054 / R10054C24: got '0.03'
## Warning: Expecting logical in Y10054 / R10054C25: got 'mg/L'
```

```
## Warning: Expecting logical in R10055 / R10055C18: got 'as CaCO3'
## Warning: Expecting logical in W10056 / R10056C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10056 / R10056C24: got '2.0'
## Warning: Expecting logical in Y10056 / R10056C25: got 'mg/L'
## Warning: Expecting logical in M10057 / R10057C13: got '7723-14-0'
## Warning: Expecting logical in R10057 / R10057C18: got 'as P'
## Warning: Expecting logical in R10059 / R10059C18: got 'as N' \,
## Warning: Expecting logical in R10061 / R10061C18: got 'as CaCO3'
## Warning: Expecting logical in R10064 / R10064C18: got 'as N'
## Warning: Expecting logical in R10066 / R10066C18: got 'as N'
## Warning: Expecting logical in R10067 / R10067C18: got 'as N'
## Warning: Expecting logical in M10068 / R10068C13: got '7723-14-0'
## Warning: Expecting logical in R10068 / R10068C18: got 'as P'
## Warning: Expecting logical in R10071 / R10071C18: got 'as CaCO3'
## Warning: Expecting logical in R10073 / R10073C18: got 'as CaCO3'
## Warning: Expecting logical in W10074 / R10074C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10074 / R10074C24: got '2.0'
## Warning: Expecting logical in Y10074 / R10074C25: got 'mg/L'
## Warning: Expecting logical in M10077 / R10077C13: got '14265-44-2'
## Warning: Expecting logical in R10077 / R10077C18: got 'as P'
## Warning: Expecting logical in W10077 / R10077C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10077 / R10077C24: got '0.04'
## Warning: Expecting logical in Y10077 / R10077C25: got 'mg/L'
## Warning: Expecting logical in R10079 / R10079C18: got 'as N'
```

```
## Warning: Expecting logical in R10080 / R10080C18: got 'as N'
## Warning: Expecting logical in W10080 / R10080C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10080 / R10080C24: got '0.03'
## Warning: Expecting logical in Y10080 / R10080C25: got 'mg/L'
## Warning: Expecting logical in W10083 / R10083C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10083 / R10083C24: got '2.0'
## Warning: Expecting logical in Y10083 / R10083C25: got 'mg/L'
## Warning: Expecting logical in R10085 / R10085C18: got 'as N'
## Warning: Expecting logical in R10086 / R10086C18: got 'as N'
## Warning: Expecting logical in M10087 / R10087C13: got '7723-14-0'
## Warning: Expecting logical in R10087 / R10087C18: got 'as P'
## Warning: Expecting logical in R10089 / R10089C18: got 'as CaCO3'
## Warning: Expecting logical in M10090 / R10090C13: got '14265-44-2'
## Warning: Expecting logical in R10090 / R10090C18: got 'as P'
## Warning: Expecting logical in W10090 / R10090C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10090 / R10090C24: got '0.04'
## Warning: Expecting logical in Y10090 / R10090C25: got 'mg/L'
## Warning: Expecting logical in R10092 / R10092C18: got 'as CaCO3'
## Warning: Expecting logical in R10095 / R10095C18: got 'as N'
## Warning: Expecting logical in W10096 / R10096C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10096 / R10096C24: got '2.0'
## Warning: Expecting logical in Y10096 / R10096C25: got 'mg/L'
## Warning: Expecting logical in R10097 / R10097C18: got 'as N'
## Warning: Expecting logical in W10097 / R10097C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X10097 / R10097C24: got '0.03'
## Warning: Expecting logical in Y10097 / R10097C25: got 'mg/L'
## Warning: Expecting logical in M10099 / R10099C13: got '7723-14-0'
## Warning: Expecting logical in R10099 / R10099C18: got 'as P'
## Warning: Expecting logical in R10101 / R10101C18: got 'as N' \,
## Warning: Expecting logical in W10101 / R10101C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10101 / R10101C24: got '0.20'
## Warning: Expecting logical in Y10101 / R10101C25: got 'mg/L'
## Warning: Expecting logical in R10102 / R10102C18: got 'as CaCO3'
## Warning: Expecting logical in R10103 / R10103C18: got 'as CaCO3'
## Warning: Expecting logical in M10107 / R10107C13: got '68583-22-2'
## Warning: Expecting logical in M10108 / R10108C13: got '68583-22-2'
## Warning: Expecting logical in M10109 / R10109C13: got '68583-22-2'
## Warning: Expecting logical in M10110 / R10110C13: got '68583-22-2'
## Warning: Expecting logical in M10111 / R10111C13: got '68583-22-2'
## Warning: Expecting logical in M10112 / R10112C13: got '68583-22-2'
## Warning: Expecting logical in R10114 / R10114C18: got 'as CaCO3'
## Warning: Expecting logical in R10115 / R10115C18: got 'as N' \,
## Warning: Expecting logical in W10115 / R10115C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10115 / R10115C24: got '0.03'
## Warning: Expecting logical in Y10115 / R10115C25: got 'mg/L'
## Warning: Expecting logical in W10116 / R10116C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10116 / R10116C24: got '2.0'
## Warning: Expecting logical in Y10116 / R10116C25: got 'mg/L'
```

```
## Warning: Expecting logical in W10119 / R10119C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10119 / R10119C24: got '2.5'
## Warning: Expecting logical in Y10119 / R10119C25: got 'mg/L'
## Warning: Expecting logical in R10121 / R10121C18: got 'as N'
## Warning: Expecting logical in M10123 / R10123C13: got '7723-14-0'
## Warning: Expecting logical in R10123 / R10123C18: got 'as P'
## Warning: Expecting logical in R10124 / R10124C18: got 'as N'
## Warning: Expecting logical in R10125 / R10125C18: got 'as CaCO3'
## Warning: Expecting logical in M10126 / R10126C13: got '68583-22-2'
## Warning: Expecting logical in M10127 / R10127C13: got '68583-22-2'
## Warning: Expecting logical in M10128 / R10128C13: got '68583-22-2'
## Warning: Expecting logical in M10129 / R10129C13: got '68583-22-2'
## Warning: Expecting logical in M10130 / R10130C13: got '68583-22-2'
## Warning: Expecting logical in R10134 / R10134C18: got 'as CaCO3'
## Warning: Expecting logical in R10135 / R10135C18: got 'as N'
## Warning: Expecting logical in M10136 / R10136C13: got '7723-14-0'
## Warning: Expecting logical in R10136 / R10136C18: got 'as P'
## Warning: Expecting logical in W10138 / R10138C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10138 / R10138C24: got '2.0'
## Warning: Expecting logical in Y10138 / R10138C25: got 'mg/L'
## Warning: Expecting logical in R10139 / R10139C18: got 'as CaCO3'
## Warning: Expecting logical in R10140 / R10140C18: got 'as N'
## Warning: Expecting logical in R10141 / R10141C18: got 'as N'
## Warning: Expecting logical in R10144 / R10144C18: got 'as N'
```

```
## Warning: Expecting logical in W10144 / R10144C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10144 / R10144C24: got '0.02'
## Warning: Expecting logical in Y10144 / R10144C25: got 'mg/L'
## Warning: Expecting logical in R10145 / R10145C18: got 'as N' \,
## Warning: Expecting logical in M10146 / R10146C13: got '7723-14-0'
## Warning: Expecting logical in R10146 / R10146C18: got 'as P'
## Warning: Expecting logical in W10148 / R10148C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10148 / R10148C24: got '2.0'
## Warning: Expecting logical in Y10148 / R10148C25: got 'mg/L'
## Warning: Expecting logical in W10151 / R10151C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10151 / R10151C24: got '2.5'
## Warning: Expecting logical in Y10151 / R10151C25: got 'mg/L'
## Warning: Expecting logical in R10152 / R10152C18: got 'as N'
## Warning: Expecting logical in W10152 / R10152C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10152 / R10152C24: got '0.03'
## Warning: Expecting logical in Y10152 / R10152C25: got 'mg/L'
## Warning: Expecting logical in R10154 / R10154C18: got 'as CaCO3'
## Warning: Expecting logical in R10156 / R10156C18: got 'as CaCO3'
## Warning: Expecting logical in R10161 / R10161C18: got 'as N'
## Warning: Expecting logical in M10162 / R10162C13: got '7723-14-0'
## Warning: Expecting logical in R10162 / R10162C18: got 'as P'
## Warning: Expecting logical in R10164 / R10164C18: got 'as N'
## Warning: Expecting logical in R10165 / R10165C18: got 'as N'
## Warning: Expecting logical in R10166 / R10166C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R10168 / R10168C18: got 'as CaCO3'
## Warning: Expecting logical in R10170 / R10170C18: got 'as N' \,
## Warning: Expecting logical in W10170 / R10170C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10170 / R10170C24: got '0.03'
## Warning: Expecting logical in Y10170 / R10170C25: got 'mg/L'
## Warning: Expecting logical in W10171 / R10171C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10171 / R10171C24: got '2.5'
## Warning: Expecting logical in Y10171 / R10171C25: got 'mg/L'
## Warning: Expecting logical in R10172 / R10172C18: got 'as N'
## Warning: Expecting logical in R10173 / R10173C18: got 'as CaCO3'
## Warning: Expecting logical in W10174 / R10174C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10174 / R10174C24: got '2.0'
## Warning: Expecting logical in Y10174 / R10174C25: got 'mg/L'
## Warning: Expecting logical in R10179 / R10179C18: got 'as CaCO3'
## Warning: Expecting logical in R10181 / R10181C18: got 'as N'
## Warning: Expecting logical in M10182 / R10182C13: got '7723-14-0'
## Warning: Expecting logical in R10182 / R10182C18: got 'as P'
## Warning: Expecting logical in R10184 / R10184C18: got 'as CaCO3'
## Warning: Expecting logical in R10186 / R10186C18: got 'as N'
## Warning: Expecting logical in M10187 / R10187C13: got '7723-14-0'
## Warning: Expecting logical in R10187 / R10187C18: got 'as P'
## Warning: Expecting logical in R10190 / R10190C18: got 'as N'
## Warning: Expecting logical in R10193 / R10193C18: got 'as CaCO3'
## Warning: Expecting logical in W10193 / R10193C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X10193 / R10193C24: got '1.0'
## Warning: Expecting logical in Y10193 / R10193C25: got 'mg/L'
## Warning: Expecting logical in R10194 / R10194C18: got 'as N'
## Warning: Expecting logical in M10196 / R10196C13: got '68583-22-2'
## Warning: Expecting logical in M10197 / R10197C13: got '68583-22-2'
## Warning: Expecting logical in M10198 / R10198C13: got '68583-22-2'
## Warning: Expecting logical in M10199 / R10199C13: got '68583-22-2'
## Warning: Expecting logical in M10200 / R10200C13: got '68583-22-2'
## Warning: Expecting logical in M10201 / R10201C13: got '68583-22-2'
## Warning: Expecting logical in M10202 / R10202C13: got '68583-22-2'
## Warning: Expecting logical in M10203 / R10203C13: got '68583-22-2'
## Warning: Expecting logical in M10204 / R10204C13: got '7723-14-0'
## Warning: Expecting logical in R10204 / R10204C18: got 'as P'
## Warning: Expecting logical in R10205 / R10205C18: got 'as N'
## Warning: Expecting logical in W10205 / R10205C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10205 / R10205C24: got '0.03'
## Warning: Expecting logical in Y10205 / R10205C25: got 'mg/L'
## Warning: Expecting logical in R10206 / R10206C18: got 'as N'
## Warning: Expecting logical in W10207 / R10207C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10207 / R10207C24: got '2.0'
## Warning: Expecting logical in Y10207 / R10207C25: got 'mg/L'
## Warning: Expecting logical in R10211 / R10211C18: got 'as CaCO3'
## Warning: Expecting logical in R10215 / R10215C18: got 'as N'
## Warning: Expecting logical in M10216 / R10216C13: got '14265-44-2'
```

```
## Warning: Expecting logical in R10216 / R10216C18: got 'as P'
## Warning: Expecting logical in W10216 / R10216C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10216 / R10216C24: got '0.04'
## Warning: Expecting logical in Y10216 / R10216C25: got 'mg/L'
## Warning: Expecting logical in R10217 / R10217C18: got 'as CaCO3'
## Warning: Expecting logical in R10218 / R10218C18: got 'as N' \,
## Warning: Expecting logical in W10220 / R10220C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10220 / R10220C24: got '2.0'
## Warning: Expecting logical in Y10220 / R10220C25: got 'mg/L'
## Warning: Expecting logical in R10224 / R10224C18: got 'as CaCO3'
## Warning: Expecting logical in R10226 / R10226C18: got 'as N'
## Warning: Expecting logical in R10227 / R10227C18: got 'as CaCO3'
## Warning: Expecting logical in R10229 / R10229C18: got 'as N'
## Warning: Expecting logical in M10230 / R10230C13: got '7723-14-0'
## Warning: Expecting logical in R10230 / R10230C18: got 'as P'
## Warning: Expecting logical in M10232 / R10232C13: got '14265-44-2'
## Warning: Expecting logical in R10232 / R10232C18: got 'as P'
## Warning: Expecting logical in W10232 / R10232C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10232 / R10232C24: got '0.04'
## Warning: Expecting logical in Y10232 / R10232C25: got 'mg/L'
## Warning: Expecting logical in R10233 / R10233C18: got 'as N'
## Warning: Expecting logical in R10235 / R10235C18: got 'as N'
## Warning: Expecting logical in W10235 / R10235C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10235 / R10235C24: got '0.03'
```

```
## Warning: Expecting logical in Y10235 / R10235C25: got 'mg/L'
## Warning: Expecting logical in M10236 / R10236C13: got '7723-14-0'
## Warning: Expecting logical in R10236 / R10236C18: got 'as P'
## Warning: Expecting logical in W10237 / R10237C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10237 / R10237C24: got '2.0'
## Warning: Expecting logical in Y10237 / R10237C25: got 'mg/L'
## Warning: Expecting logical in R10238 / R10238C18: got 'as CaCO3'
## Warning: Expecting logical in R10240 / R10240C18: got 'as N'
## Warning: Expecting logical in R10244 / R10244C18: got 'as CaCO3'
## Warning: Expecting logical in R10247 / R10247C18: got 'as CaCO3'
## Warning: Expecting logical in W10248 / R10248C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10248 / R10248C24: got '2.0'
## Warning: Expecting logical in Y10248 / R10248C25: got 'mg/L'
## Warning: Expecting logical in R10249 / R10249C18: got 'as N'
## Warning: Expecting logical in W10249 / R10249C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10249 / R10249C24: got '0.03'
## Warning: Expecting logical in Y10249 / R10249C25: got 'mg/L'
## Warning: Expecting logical in M10251 / R10251C13: got '14265-44-2'
## Warning: Expecting logical in R10251 / R10251C18: got 'as P'
## Warning: Expecting logical in W10251 / R10251C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10251 / R10251C24: got '0.04'
## Warning: Expecting logical in Y10251 / R10251C25: got 'mg/L'
## Warning: Expecting logical in R10252 / R10252C18: got 'as CaCO3'
## Warning: Expecting logical in M10255 / R10255C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R10255 / R10255C18: got 'as P'
## Warning: Expecting logical in R10256 / R10256C18: got 'as N' \,
## Warning: Expecting logical in R10258 / R10258C18: got 'as N'
## Warning: Expecting logical in R10259 / R10259C18: got 'as N'
## Warning: Expecting logical in W10259 / R10259C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10259 / R10259C24: got '0.03'
## Warning: Expecting logical in Y10259 / R10259C25: got 'mg/L'
## Warning: Expecting logical in M10260 / R10260C13: got '7723-14-0'
## Warning: Expecting logical in R10260 / R10260C18: got 'as P'
## Warning: Expecting logical in R10261 / R10261C18: got 'as CaCO3'
## Warning: Expecting logical in R10265 / R10265C18: got 'as CaCO3'
## Warning: Expecting logical in R10267 / R10267C18: got 'as N'
## Warning: Expecting logical in M10269 / R10269C13: got '14265-44-2'
## Warning: Expecting logical in R10269 / R10269C18: got 'as P'
## Warning: Expecting logical in W10269 / R10269C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10269 / R10269C24: got '0.04'
## Warning: Expecting logical in Y10269 / R10269C25: got 'mg/L'
## Warning: Expecting logical in R10270 / R10270C18: got 'as N' \,
## Warning: Expecting logical in W10271 / R10271C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10271 / R10271C24: got '2.5'
## Warning: Expecting logical in Y10271 / R10271C25: got 'mg/L'
## Warning: Expecting logical in W10272 / R10272C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10272 / R10272C24: got '2.0'
## Warning: Expecting logical in Y10272 / R10272C25: got 'mg/L'
```

```
## Warning: Expecting logical in M10274 / R10274C13: got '14265-44-2'
## Warning: Expecting logical in R10274 / R10274C18: got 'as P' \,
## Warning: Expecting logical in W10274 / R10274C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10274 / R10274C24: got '0.04'
## Warning: Expecting logical in Y10274 / R10274C25: got 'mg/L'
## Warning: Expecting logical in R10276 / R10276C18: got 'as N' \,
## Warning: Expecting logical in W10276 / R10276C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10276 / R10276C24: got '0.03'
## Warning: Expecting logical in Y10276 / R10276C25: got 'mg/L'
## Warning: Expecting logical in R10277 / R10277C18: got 'as N'
## Warning: Expecting logical in M10278 / R10278C13: got '7723-14-0'
## Warning: Expecting logical in R10278 / R10278C18: got 'as P'
## Warning: Expecting logical in W10279 / R10279C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10279 / R10279C24: got '2.0'
## Warning: Expecting logical in Y10279 / R10279C25: got 'mg/L'
## Warning: Expecting logical in R10282 / R10282C18: got 'as N'
## Warning: Expecting logical in W10282 / R10282C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10282 / R10282C24: got '0.02'
## Warning: Expecting logical in Y10282 / R10282C25: got 'mg/L'
## Warning: Expecting logical in W10283 / R10283C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10283 / R10283C24: got '2.5'
## Warning: Expecting logical in Y10283 / R10283C25: got 'mg/L'
## Warning: Expecting logical in R10284 / R10284C18: got 'as CaCO3'
## Warning: Expecting logical in R10285 / R10285C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in M10290 / R10290C13: got '7723-14-0'
## Warning: Expecting logical in R10290 / R10290C18: got 'as P'
## Warning: Expecting logical in R10291 / R10291C18: got 'as N'
## Warning: Expecting logical in W10291 / R10291C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10291 / R10291C24: got '0.02'
## Warning: Expecting logical in Y10291 / R10291C25: got 'mg/L'
## Warning: Expecting logical in R10292 / R10292C18: got 'as N' \,
## Warning: Expecting logical in W10295 / R10295C23: got 'Upper Reporting Limit'
## Warning: Expecting logical in X10295 / R10295C24: got '6.2'
## Warning: Expecting logical in Y10295 / R10295C25: got 'mg/L'
## Warning: Expecting logical in R10296 / R10296C18: got 'as N'
## Warning: Expecting logical in W10296 / R10296C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10296 / R10296C24: got '0.03'
## Warning: Expecting logical in Y10296 / R10296C25: got 'mg/L'
## Warning: Expecting logical in M10297 / R10297C13: got '14265-44-2'
## Warning: Expecting logical in R10297 / R10297C18: got 'as P'
## Warning: Expecting logical in R10298 / R10298C18: got 'as CaCO3'
## Warning: Expecting logical in R10300 / R10300C18: got 'as CaCO3'
## Warning: Expecting logical in R10301 / R10301C18: got 'as CaCO3'
## Warning: Expecting logical in M10302 / R10302C13: got '7723-14-0'
## Warning: Expecting logical in R10302 / R10302C18: got 'as P'
## Warning: Expecting logical in R10305 / R10305C18: got 'as N'
## Warning: Expecting logical in W10305 / R10305C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10305 / R10305C24: got '0.02'
```

```
## Warning: Expecting logical in Y10305 / R10305C25: got 'mg/L'
## Warning: Expecting logical in R10307 / R10307C18: got 'as CaCO3'
## Warning: Expecting logical in M10308 / R10308C13: got '14265-44-2'
## Warning: Expecting logical in R10308 / R10308C18: got 'as P'
## Warning: Expecting logical in W10308 / R10308C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10308 / R10308C24: got '0.04'
## Warning: Expecting logical in Y10308 / R10308C25: got 'mg/L'
## Warning: Expecting logical in R10311 / R10311C18: got 'as N'
## Warning: Expecting logical in W10311 / R10311C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10311 / R10311C24: got '0.03'
## Warning: Expecting logical in Y10311 / R10311C25: got 'mg/L'
## Warning: Expecting logical in R10312 / R10312C18: got 'as N'
## Warning: Expecting logical in W10314 / R10314C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10314 / R10314C24: got '2.0'
## Warning: Expecting logical in Y10314 / R10314C25: got 'mg/L'
## Warning: Expecting logical in W10315 / R10315C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10315 / R10315C24: got '2.5'
## Warning: Expecting logical in Y10315 / R10315C25: got 'mg/L'
## Warning: Expecting logical in R10317 / R10317C18: got 'as N'
## Warning: Expecting logical in R10319 / R10319C18: got 'as CaCO3'
## Warning: Expecting logical in R10320 / R10320C18: got 'as CaCO3'
## Warning: Expecting logical in W10321 / R10321C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10321 / R10321C24: got '2.0'
## Warning: Expecting logical in Y10321 / R10321C25: got 'mg/L'
```

```
## Warning: Expecting logical in M10324 / R10324C13: got '7723-14-0'
## Warning: Expecting logical in R10324 / R10324C18: got 'as P' \,
## Warning: Expecting logical in R10326 / R10326C18: got 'as N'
## Warning: Expecting logical in W10326 / R10326C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10326 / R10326C24: got '0.03'
## Warning: Expecting logical in Y10326 / R10326C25: got 'mg/L'
## Warning: Expecting logical in R10327 / R10327C18: got 'as N'
## Warning: Expecting logical in M10328 / R10328C13: got '68583-22-2'
## Warning: Expecting logical in M10329 / R10329C13: got '14265-44-2'
## Warning: Expecting logical in R10329 / R10329C18: got 'as P'
## Warning: Expecting logical in W10329 / R10329C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10329 / R10329C24: got '0.04'
## Warning: Expecting logical in Y10329 / R10329C25: got 'mg/L'
## Warning: Expecting logical in R10330 / R10330C18: got 'as CaCO3'
## Warning: Expecting logical in W10332 / R10332C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10332 / R10332C24: got '2.0'
## Warning: Expecting logical in Y10332 / R10332C25: got 'mg/L'
## Warning: Expecting logical in R10333 / R10333C18: got 'as N'
## Warning: Expecting logical in W10333 / R10333C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10333 / R10333C24: got '0.02'
## Warning: Expecting logical in Y10333 / R10333C25: got 'mg/L'
## Warning: Expecting logical in R10335 / R10335C18: got 'as N'
## Warning: Expecting logical in R10337 / R10337C18: got 'as CaCO3'
## Warning: Expecting logical in M10339 / R10339C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R10339 / R10339C18: got 'as P'
## Warning: Expecting logical in R10342 / R10342C18: got 'as N' \,
## Warning: Expecting logical in W10342 / R10342C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10342 / R10342C24: got '0.03'
## Warning: Expecting logical in Y10342 / R10342C25: got 'mg/L'
## Warning: Expecting logical in W10343 / R10343C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10343 / R10343C24: got '2.0'
## Warning: Expecting logical in Y10343 / R10343C25: got 'mg/L'
## Warning: Expecting logical in R10344 / R10344C18: got 'as N'
## Warning: Expecting logical in R10345 / R10345C18: got 'as CaCO3'
## Warning: Expecting logical in M10349 / R10349C13: got '68583-22-2'
## Warning: Expecting logical in R10350 / R10350C18: got 'as CaCO3'
## Warning: Expecting logical in M10352 / R10352C13: got '7723-14-0'
## Warning: Expecting logical in R10352 / R10352C18: got 'as P'
## Warning: Expecting logical in W10353 / R10353C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10353 / R10353C24: got '2.5'
## Warning: Expecting logical in Y10353 / R10353C25: got 'mg/L'
## Warning: Expecting logical in R10355 / R10355C18: got 'as N'
## Warning: Expecting logical in W10355 / R10355C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10355 / R10355C24: got '0.03'
## Warning: Expecting logical in Y10355 / R10355C25: got 'mg/L'
## Warning: Expecting logical in R10356 / R10356C18: got 'as N'
## Warning: Expecting logical in M10357 / R10357C13: got '14265-44-2'
## Warning: Expecting logical in R10357 / R10357C18: got 'as P'
```

```
## Warning: Expecting logical in R10359 / R10359C18: got 'as N'
## Warning: Expecting logical in R10360 / R10360C18: got 'as N' \,
## Warning: Expecting logical in W10360 / R10360C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10360 / R10360C24: got '0.03'
## Warning: Expecting logical in Y10360 / R10360C25: got 'mg/L'
## Warning: Expecting logical in R10361 / R10361C18: got 'as N'
## Warning: Expecting logical in W10362 / R10362C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10362 / R10362C24: got '2.5'
## Warning: Expecting logical in Y10362 / R10362C25: got 'mg/L'
## Warning: Expecting logical in R10363 / R10363C18: got 'as CaCO3'
## Warning: Expecting logical in W10364 / R10364C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10364 / R10364C24: got '2.0'
## Warning: Expecting logical in Y10364 / R10364C25: got 'mg/L'
## Warning: Expecting logical in M10369 / R10369C13: got '7723-14-0'
## Warning: Expecting logical in R10369 / R10369C18: got 'as P'
## Warning: Expecting logical in R10370 / R10370C18: got 'as CaCO3'
## Warning: Expecting logical in R10372 / R10372C18: got 'as N'
## Warning: Expecting logical in W10372 / R10372C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10372 / R10372C24: got '0.02'
## Warning: Expecting logical in Y10372 / R10372C25: got 'mg/L'
## Warning: Expecting logical in R10373 / R10373C18: got 'as CaCO3'
## Warning: Expecting logical in M10376 / R10376C13: got '7723-14-0'
## Warning: Expecting logical in R10376 / R10376C18: got 'as P'
## Warning: Expecting logical in R10379 / R10379C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in M10380 / R10380C13: got '68583-22-2'
## Warning: Expecting logical in R10382 / R10382C18: got 'as N' \,
## Warning: Expecting logical in W10382 / R10382C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10382 / R10382C24: got '0.03'
## Warning: Expecting logical in Y10382 / R10382C25: got 'mg/L'
## Warning: Expecting logical in R10383 / R10383C18: got 'as N'
## Warning: Expecting logical in M10385 / R10385C13: got '68583-22-2'
## Warning: Expecting logical in M10386 / R10386C13: got '68583-22-2'
## Warning: Expecting logical in M10387 / R10387C13: got '68583-22-2'
## Warning: Expecting logical in W10388 / R10388C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10388 / R10388C24: got '2.0'
## Warning: Expecting logical in Y10388 / R10388C25: got 'mg/L'
## Warning: Expecting logical in R10389 / R10389C18: got 'as CaCO3'
## Warning: Expecting logical in R10390 / R10390C18: got 'as N'
## Warning: Expecting logical in W10390 / R10390C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10390 / R10390C24: got '0.02'
## Warning: Expecting logical in Y10390 / R10390C25: got 'mg/L'
## Warning: Expecting logical in M10391 / R10391C13: got '7723-14-0'
## Warning: Expecting logical in R10391 / R10391C18: got 'as P'
## Warning: Expecting logical in R10393 / R10393C18: got 'as N'
## Warning: Expecting logical in W10393 / R10393C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10393 / R10393C24: got '0.03'
## Warning: Expecting logical in Y10393 / R10393C25: got 'mg/L'
## Warning: Expecting logical in R10398 / R10398C18: got 'as N'
```

```
## Warning: Expecting logical in W10398 / R10398C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10398 / R10398C24: got '0.20'
## Warning: Expecting logical in Y10398 / R10398C25: got 'mg/L'
## Warning: Expecting logical in M10399 / R10399C13: got '14265-44-2'
## Warning: Expecting logical in R10399 / R10399C18: got 'as P'
## Warning: Expecting logical in W10399 / R10399C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10399 / R10399C24: got '0.04'
## Warning: Expecting logical in Y10399 / R10399C25: got 'mg/L'
## Warning: Expecting logical in R10401 / R10401C18: got 'as CaCO3'
## Warning: Expecting logical in R10403 / R10403C18: got 'as CaCO3'
## Warning: Expecting logical in R10404 / R10404C18: got 'as N'
## Warning: Expecting logical in W10404 / R10404C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10404 / R10404C24: got '0.02'
## Warning: Expecting logical in Y10404 / R10404C25: got 'mg/L'
## Warning: Expecting logical in M10405 / R10405C13: got '14265-44-2'
## Warning: Expecting logical in R10405 / R10405C18: got 'as P'
## Warning: Expecting logical in W10405 / R10405C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10405 / R10405C24: got '0.04'
## Warning: Expecting logical in Y10405 / R10405C25: got 'mg/L'
## Warning: Expecting logical in R10406 / R10406C18: got 'as N'
## Warning: Expecting logical in M10407 / R10407C13: got '7723-14-0'
## Warning: Expecting logical in R10407 / R10407C18: got 'as P'
## Warning: Expecting logical in W10410 / R10410C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10410 / R10410C24: got '2.0'
```

```
## Warning: Expecting logical in Y10410 / R10410C25: got 'mg/L'
## Warning: Expecting logical in R10412 / R10412C18: got 'as N' \,
## Warning: Expecting logical in W10412 / R10412C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10412 / R10412C24: got '0.03'
## Warning: Expecting logical in Y10412 / R10412C25: got 'mg/L'
## Warning: Expecting logical in R10413 / R10413C18: got 'as CaCO3'
## Warning: Expecting logical in W10417 / R10417C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10417 / R10417C24: got '2.5'
## Warning: Expecting logical in Y10417 / R10417C25: got 'mg/L'
## Warning: Expecting logical in R10418 / R10418C18: got 'as N'
## Warning: Expecting logical in R10419 / R10419C18: got 'as N'
## Warning: Expecting logical in R10423 / R10423C18: got 'as CaCO3'
## Warning: Expecting logical in R10425 / R10425C18: got 'as CaCO3'
## Warning: Expecting logical in R10426 / R10426C18: got 'as N'
## Warning: Expecting logical in W10426 / R10426C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10426 / R10426C24: got '0.03'
## Warning: Expecting logical in Y10426 / R10426C25: got 'mg/L'
## Warning: Expecting logical in M10427 / R10427C13: got '7723-14-0'
## Warning: Expecting logical in R10427 / R10427C18: got 'as P'
## Warning: Expecting logical in W10428 / R10428C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10428 / R10428C24: got '2.0'
## Warning: Expecting logical in Y10428 / R10428C25: got 'mg/L'
## Warning: Expecting logical in M10429 / R10429C13: got '68583-22-2'
## Warning: Expecting logical in M10430 / R10430C13: got '68583-22-2'
```

```
## Warning: Expecting logical in M10431 / R10431C13: got '68583-22-2'
## Warning: Expecting logical in R10433 / R10433C18: got 'as CaCO3'
## Warning: Expecting logical in R10434 / R10434C18: got 'as N'
## Warning: Expecting logical in W10434 / R10434C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10434 / R10434C24: got '0.03'
## Warning: Expecting logical in Y10434 / R10434C25: got 'mg/L'
## Warning: Expecting logical in W10435 / R10435C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10435 / R10435C24: got '2.0'
## Warning: Expecting logical in Y10435 / R10435C25: got 'mg/L'
## Warning: Expecting logical in R10438 / R10438C18: got 'as N'
## Warning: Expecting logical in R10442 / R10442C18: got 'as CaCO3'
## Warning: Expecting logical in R10443 / R10443C18: got 'as N'
## Warning: Expecting logical in M10444 / R10444C13: got '7723-14-0'
## Warning: Expecting logical in R10444 / R10444C18: got 'as P'
## Warning: Expecting logical in R10446 / R10446C18: got 'as CaCO3'
## Warning: Expecting logical in R10447 / R10447C18: got 'as N'
## Warning: Expecting logical in W10447 / R10447C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10447 / R10447C24: got '0.20'
## Warning: Expecting logical in Y10447 / R10447C25: got 'mg/L'
## Warning: Expecting logical in R10448 / R10448C18: got 'as N'
## Warning: Expecting logical in R10449 / R10449C18: got 'as CaCO3'
## Warning: Expecting logical in W10451 / R10451C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10451 / R10451C24: got '2.0'
## Warning: Expecting logical in Y10451 / R10451C25: got 'mg/L'
```

```
## Warning: Expecting logical in W10453 / R10453C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10453 / R10453C24: got '2.5'
## Warning: Expecting logical in Y10453 / R10453C25: got 'mg/L'
## Warning: Expecting logical in M10455 / R10455C13: got '7723-14-0'
## Warning: Expecting logical in R10455 / R10455C18: got 'as P'
## Warning: Expecting logical in W10455 / R10455C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10455 / R10455C24: got '0.02'
## Warning: Expecting logical in Y10455 / R10455C25: got 'mg/L'
## Warning: Expecting logical in R10457 / R10457C18: got 'as N'
## Warning: Expecting logical in M10458 / R10458C13: got '14265-44-2'
## Warning: Expecting logical in R10458 / R10458C18: got 'as P'
## Warning: Expecting logical in W10458 / R10458C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10458 / R10458C24: got '0.04'
## Warning: Expecting logical in Y10458 / R10458C25: got 'mg/L'
## Warning: Expecting logical in R10459 / R10459C18: got 'as N'
## Warning: Expecting logical in R10460 / R10460C18: got 'as CaCO3'
## Warning: Expecting logical in R10464 / R10464C18: got 'as CaCO3'
## Warning: Expecting logical in M10466 / R10466C13: got '7723-14-0'
## Warning: Expecting logical in R10466 / R10466C18: got 'as P'
## Warning: Expecting logical in M10467 / R10467C13: got '14265-44-2'
## Warning: Expecting logical in R10467 / R10467C18: got 'as P'
## Warning: Expecting logical in R10469 / R10469C18: got 'as N'
## Warning: Expecting logical in W10469 / R10469C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10469 / R10469C24: got '0.03'
```

```
## Warning: Expecting logical in Y10469 / R10469C25: got 'mg/L'
## Warning: Expecting logical in W10470 / R10470C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10470 / R10470C24: got '2.0'
## Warning: Expecting logical in Y10470 / R10470C25: got 'mg/L'
## Warning: Expecting logical in R10471 / R10471C18: got 'as N'
## Warning: Expecting logical in M10474 / R10474C13: got '7723-14-0'
## Warning: Expecting logical in R10474 / R10474C18: got 'as P'
## Warning: Expecting logical in R10475 / R10475C18: got 'as CaCO3'
## Warning: Expecting logical in R10476 / R10476C18: got 'as CaCO3'
## Warning: Expecting logical in R10477 / R10477C18: got 'as N'
## Warning: Expecting logical in W10481 / R10481C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10481 / R10481C24: got '2.0'
## Warning: Expecting logical in Y10481 / R10481C25: got 'mg/L'
## Warning: Expecting logical in R10483 / R10483C18: got 'as N'
## Warning: Expecting logical in W10483 / R10483C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10483 / R10483C24: got '0.03'
## Warning: Expecting logical in Y10483 / R10483C25: got 'mg/L'
## Warning: Expecting logical in R10484 / R10484C18: got 'as N' \,
## Warning: Expecting logical in W10484 / R10484C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10484 / R10484C24: got '0.20'
## Warning: Expecting logical in Y10484 / R10484C25: got 'mg/L'
## Warning: Expecting logical in R10486 / R10486C18: got 'as N'
## Warning: Expecting logical in W10486 / R10486C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10486 / R10486C24: got '0.03'
```

```
## Warning: Expecting logical in Y10486 / R10486C25: got 'mg/L'
## Warning: Expecting logical in R10487 / R10487C18: got 'as N'
## Warning: Expecting logical in M10488 / R10488C13: got '7723-14-0'
## Warning: Expecting logical in R10488 / R10488C18: got 'as P'
## Warning: Expecting logical in R10489 / R10489C18: got 'as CaCO3'
## Warning: Expecting logical in M10490 / R10490C13: got '14265-44-2'
## Warning: Expecting logical in R10490 / R10490C18: got 'as P'
## Warning: Expecting logical in W10490 / R10490C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10490 / R10490C24: got '0.04'
## Warning: Expecting logical in Y10490 / R10490C25: got 'mg/L'
## Warning: Expecting logical in R10492 / R10492C18: got 'as N'
## Warning: Expecting logical in W10492 / R10492C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10492 / R10492C24: got '0.20'
## Warning: Expecting logical in Y10492 / R10492C25: got 'mg/L'
## Warning: Expecting logical in W10494 / R10494C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10494 / R10494C24: got '2.0'
## Warning: Expecting logical in Y10494 / R10494C25: got 'mg/L'
## Warning: Expecting logical in R10495 / R10495C18: got 'as CaCO3'
## Warning: Expecting logical in R10501 / R10501C18: got 'as N'
## Warning: Expecting logical in R10502 / R10502C18: got 'as N' \,
## Warning: Expecting logical in R10504 / R10504C18: got 'as CaCO3'
## Warning: Expecting logical in W10505 / R10505C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10505 / R10505C24: got '2.0'
## Warning: Expecting logical in Y10505 / R10505C25: got 'mg/L'
```

```
## Warning: Expecting logical in R10506 / R10506C18: got 'as N'
## Warning: Expecting logical in W10506 / R10506C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10506 / R10506C24: got '0.03'
## Warning: Expecting logical in Y10506 / R10506C25: got 'mg/L'
## Warning: Expecting logical in R10511 / R10511C18: got 'as CaCO3'
## Warning: Expecting logical in M10512 / R10512C13: got '7723-14-0'
## Warning: Expecting logical in R10512 / R10512C18: got 'as P'
## Warning: Expecting logical in R10513 / R10513C18: got 'as CaCO3'
## Warning: Expecting logical in M10516 / R10516C13: got '7723-14-0'
## Warning: Expecting logical in R10516 / R10516C18: got 'as P'
## Warning: Expecting logical in R10517 / R10517C18: got 'as N'
## Warning: Expecting logical in R10518 / R10518C18: got 'as N'
## Warning: Expecting logical in W10518 / R10518C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10518 / R10518C24: got '0.20'
## Warning: Expecting logical in Y10518 / R10518C25: got 'mg/L'
## Warning: Expecting logical in R10519 / R10519C18: got 'as CaCO3'
## Warning: Expecting logical in W10521 / R10521C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10521 / R10521C24: got '2.0'
## Warning: Expecting logical in Y10521 / R10521C25: got 'mg/L'
## Warning: Expecting logical in R10523 / R10523C18: got 'as N' \,
## Warning: Expecting logical in W10523 / R10523C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10523 / R10523C24: got '0.03'
## Warning: Expecting logical in Y10523 / R10523C25: got 'mg/L'
## Warning: Expecting logical in R10527 / R10527C18: got 'as N'
```

```
## Warning: Expecting logical in W10527 / R10527C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10527 / R10527C24: got '0.20'
## Warning: Expecting logical in Y10527 / R10527C25: got 'mg/L'
## Warning: Expecting logical in M10528 / R10528C13: got '7723-14-0'
## Warning: Expecting logical in R10528 / R10528C18: got 'as P'
## Warning: Expecting logical in W10530 / R10530C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10530 / R10530C24: got '2.0'
## Warning: Expecting logical in Y10530 / R10530C25: got 'mg/L'
## Warning: Expecting logical in R10532 / R10532C18: got 'as CaCO3'
## Warning: Expecting logical in R10533 / R10533C18: got 'as N'
## Warning: Expecting logical in W10533 / R10533C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10533 / R10533C24: got '0.03'
## Warning: Expecting logical in Y10533 / R10533C25: got 'mg/L'
## Warning: Expecting logical in R10534 / R10534C18: got 'as CaCO3'
## Warning: Expecting logical in R10538 / R10538C18: got 'as N'
## Warning: Expecting logical in W10538 / R10538C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10538 / R10538C24: got '0.02'
## Warning: Expecting logical in Y10538 / R10538C25: got 'mg/L'
## Warning: Expecting logical in R10539 / R10539C18: got 'as N'
## Warning: Expecting logical in W10539 / R10539C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10539 / R10539C24: got '0.03'
## Warning: Expecting logical in Y10539 / R10539C25: got 'mg/L'
## Warning: Expecting logical in M10540 / R10540C13: got '14265-44-2'
## Warning: Expecting logical in R10540 / R10540C18: got 'as P'
```

```
## Warning: Expecting logical in W10540 / R10540C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10540 / R10540C24: got '0.04'
## Warning: Expecting logical in Y10540 / R10540C25: got 'mg/L'
## Warning: Expecting logical in R10541 / R10541C18: got 'as N'
## Warning: Expecting logical in R10543 / R10543C18: got 'as CaCO3'
## Warning: Expecting logical in R10546 / R10546C18: got 'as CaCO3'
## Warning: Expecting logical in R10548 / R10548C18: got 'as N'
## Warning: Expecting logical in M10550 / R10550C13: got '7723-14-0'
## Warning: Expecting logical in R10550 / R10550C18: got 'as P'
## Warning: Expecting logical in M10553 / R10553C13: got '68583-22-2'
## Warning: Expecting logical in R10555 / R10555C18: got 'as CaCO3'
## Warning: Expecting logical in M10556 / R10556C13: got '7723-14-0'
## Warning: Expecting logical in R10556 / R10556C18: got 'as P'
## Warning: Expecting logical in R10557 / R10557C18: got 'as CaCO3'
## Warning: Expecting logical in R10558 / R10558C18: got 'as N'
## Warning: Expecting logical in R10559 / R10559C18: got 'as N'
## Warning: Expecting logical in W10561 / R10561C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10561 / R10561C24: got '2.0'
## Warning: Expecting logical in Y10561 / R10561C25: got 'mg/L'
## Warning: Expecting logical in M10563 / R10563C13: got '14265-44-2'
## Warning: Expecting logical in R10563 / R10563C18: got 'as P'
## Warning: Expecting logical in W10563 / R10563C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10563 / R10563C24: got '0.04'
## Warning: Expecting logical in Y10563 / R10563C25: got 'mg/L'
```

```
## Warning: Expecting logical in R10565 / R10565C18: got 'as N'
## Warning: Expecting logical in W10567 / R10567C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10567 / R10567C24: got '2.5'
## Warning: Expecting logical in Y10567 / R10567C25: got 'mg/L'
## Warning: Expecting logical in M10570 / R10570C13: got '7723-14-0'
## Warning: Expecting logical in R10570 / R10570C18: got 'as P'
## Warning: Expecting logical in R10572 / R10572C18: got 'as N'
## Warning: Expecting logical in R10573 / R10573C18: got 'as N'
## Warning: Expecting logical in R10575 / R10575C18: got 'as CaCO3'
## Warning: Expecting logical in W10576 / R10576C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10576 / R10576C24: got '2.0'
## Warning: Expecting logical in Y10576 / R10576C25: got 'mg/L'
## Warning: Expecting logical in M10578 / R10578C13: got '14265-44-2'
## Warning: Expecting logical in R10578 / R10578C18: got 'as P'
## Warning: Expecting logical in W10578 / R10578C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10578 / R10578C24: got '0.04'
## Warning: Expecting logical in Y10578 / R10578C25: got 'mg/L'
## Warning: Expecting logical in R10579 / R10579C18: got 'as CaCO3'
## Warning: Expecting logical in R10580 / R10580C18: got 'as N'
## Warning: Expecting logical in W10580 / R10580C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10580 / R10580C24: got '0.20'
## Warning: Expecting logical in Y10580 / R10580C25: got 'mg/L'
## Warning: Expecting logical in W10582 / R10582C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10582 / R10582C24: got '2.0'
```

```
## Warning: Expecting logical in Y10582 / R10582C25: got 'mg/L'
## Warning: Expecting logical in W10583 / R10583C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10583 / R10583C24: got '2.5'
## Warning: Expecting logical in Y10583 / R10583C25: got 'mg/L'
## Warning: Expecting logical in R10584 / R10584C18: got 'as N' \,
## Warning: Expecting logical in W10584 / R10584C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10584 / R10584C24: got '0.03'
## Warning: Expecting logical in Y10584 / R10584C25: got 'mg/L'
## Warning: Expecting logical in R10585 / R10585C18: got 'as CaCO3'
## Warning: Expecting logical in R10588 / R10588C18: got 'as N'
## Warning: Expecting logical in R10590 / R10590C18: got 'as CaCO3'
## Warning: Expecting logical in R10591 / R10591C18: got 'as N'
## Warning: Expecting logical in W10591 / R10591C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10591 / R10591C24: got '0.20'
## Warning: Expecting logical in Y10591 / R10591C25: got 'mg/L'
## Warning: Expecting logical in M10593 / R10593C13: got '7723-14-0'
## Warning: Expecting logical in R10593 / R10593C18: got 'as P'
## Warning: Expecting logical in W10595 / R10595C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10595 / R10595C24: got '2.5'
## Warning: Expecting logical in Y10595 / R10595C25: got 'mg/L'
## Warning: Expecting logical in R10598 / R10598C18: got 'as CaCO3'
## Warning: Expecting logical in R10599 / R10599C18: got 'as N'
## Warning: Expecting logical in R10601 / R10601C18: got 'as CaCO3'
## Warning: Expecting logical in W10602 / R10602C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X10602 / R10602C24: got '2.0'
## Warning: Expecting logical in Y10602 / R10602C25: got 'mg/L'
## Warning: Expecting logical in R10604 / R10604C18: got 'as N'
## Warning: Expecting logical in W10604 / R10604C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10604 / R10604C24: got '0.03'
## Warning: Expecting logical in Y10604 / R10604C25: got 'mg/L'
## Warning: Expecting logical in R10605 / R10605C18: got 'as N'
## Warning: Expecting logical in M10607 / R10607C13: got '7723-14-0'
## Warning: Expecting logical in R10607 / R10607C18: got 'as P'
## Warning: Expecting logical in W10610 / R10610C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10610 / R10610C24: got '2.0'
## Warning: Expecting logical in Y10610 / R10610C25: got 'mg/L'
## Warning: Expecting logical in R10612 / R10612C18: got 'as N' \,
## Warning: Expecting logical in R10613 / R10613C18: got 'as CaCO3'
## Warning: Expecting logical in M10616 / R10616C13: got '7723-14-0'
## Warning: Expecting logical in R10616 / R10616C18: got 'as P'
## Warning: Expecting logical in R10617 / R10617C18: got 'as N'
## Warning: Expecting logical in W10617 / R10617C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10617 / R10617C24: got '0.03'
## Warning: Expecting logical in Y10617 / R10617C25: got 'mg/L'
## Warning: Expecting logical in R10618 / R10618C18: got 'as CaCO3'
## Warning: Expecting logical in R10619 / R10619C18: got 'as N'
## Warning: Expecting logical in W10619 / R10619C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10619 / R10619C24: got '0.20'
```

```
## Warning: Expecting logical in Y10619 / R10619C25: got 'mg/L'
## Warning: Expecting logical in R10622 / R10622C18: got 'as N' \,
## Warning: Expecting logical in R10625 / R10625C18: got 'as N'
## Warning: Expecting logical in R10628 / R10628C18: got 'as N'
## Warning: Expecting logical in M10629 / R10629C13: got '7723-14-0'
## Warning: Expecting logical in R10629 / R10629C18: got 'as P'
## Warning: Expecting logical in R10631 / R10631C18: got 'as CaCO3'
## Warning: Expecting logical in W10632 / R10632C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X10632 / R10632C24: got '2.0'
## Warning: Expecting logical in Y10632 / R10632C25: got 'mg/L'
## Warning: Expecting logical in R10633 / R10633C18: got 'as CaCO3'
## Warning: Expecting logical in R12054 / R12054C18: got 'as N'
## Warning: Expecting logical in W12054 / R12054C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12054 / R12054C24: got '0.02'
## Warning: Expecting logical in Y12054 / R12054C25: got 'mg/L'
## Warning: Expecting logical in W12057 / R12057C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12057 / R12057C24: got '2.0'
## Warning: Expecting logical in Y12057 / R12057C25: got 'mg/L'
## Warning: Expecting logical in R12058 / R12058C18: got 'as N'
## Warning: Expecting logical in M12059 / R12059C13: got '68583-22-2'
## Warning: Expecting logical in R12060 / R12060C18: got 'as CaCO3'
## Warning: Expecting logical in R12061 / R12061C18: got 'as N'
## Warning: Expecting logical in W12061 / R12061C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12061 / R12061C24: got '0.03'
```

```
## Warning: Expecting logical in Y12061 / R12061C25: got 'mg/L'
## Warning: Expecting logical in M12063 / R12063C13: got '7723-14-0'
## Warning: Expecting logical in R12063 / R12063C18: got 'as P'
## Warning: Expecting logical in R12064 / R12064C18: got 'as CaCO3'
## Warning: Expecting logical in R12067 / R12067C18: got 'as CaCO3'
## Warning: Expecting logical in R12068 / R12068C18: got 'as N'
## Warning: Expecting logical in R12069 / R12069C18: got 'as N'
## Warning: Expecting logical in M12071 / R12071C13: got '7723-14-0'
## Warning: Expecting logical in R12071 / R12071C18: got 'as P'
## Warning: Expecting logical in R12072 / R12072C18: got 'as CaCO3'
## Warning: Expecting logical in W12075 / R12075C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12075 / R12075C24: got '2.0'
## Warning: Expecting logical in Y12075 / R12075C25: got 'mg/L'
## Warning: Expecting logical in R12076 / R12076C18: got 'as N'
## Warning: Expecting logical in W12076 / R12076C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12076 / R12076C24: got '0.02'
## Warning: Expecting logical in Y12076 / R12076C25: got 'mg/L'
## Warning: Expecting logical in R12079 / R12079C18: got 'as N'
## Warning: Expecting logical in R12080 / R12080C18: got 'as N'
## Warning: Expecting logical in W12080 / R12080C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12080 / R12080C24: got '0.02'
## Warning: Expecting logical in Y12080 / R12080C25: got 'mg/L'
## Warning: Expecting logical in M12082 / R12082C13: got '68583-22-2'
## Warning: Expecting logical in R12084 / R12084C18: got 'as N'
```

```
## Warning: Expecting logical in W12084 / R12084C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12084 / R12084C24: got '0.03'
## Warning: Expecting logical in Y12084 / R12084C25: got 'mg/L'
## Warning: Expecting logical in R12086 / R12086C18: got 'as CaCO3'
## Warning: Expecting logical in M12088 / R12088C13: got '7723-14-0'
## Warning: Expecting logical in R12088 / R12088C18: got 'as P'
## Warning: Expecting logical in W12090 / R12090C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12090 / R12090C24: got '2.0'
## Warning: Expecting logical in Y12090 / R12090C25: got 'mg/L'
## Warning: Expecting logical in R12091 / R12091C18: got 'as CaCO3'
## Warning: Expecting logical in W12093 / R12093C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12093 / R12093C24: got '2.0'
## Warning: Expecting logical in Y12093 / R12093C25: got 'mg/L'
## Warning: Expecting logical in W12094 / R12094C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12094 / R12094C24: got '2.5'
## Warning: Expecting logical in Y12094 / R12094C25: got 'mg/L'
## Warning: Expecting logical in R12095 / R12095C18: got 'as N' \,
## Warning: Expecting logical in R12096 / R12096C18: got 'as CaCO3'
## Warning: Expecting logical in M12099 / R12099C13: got '68583-22-2'
## Warning: Expecting logical in R12101 / R12101C18: got 'as N'
## Warning: Expecting logical in W12101 / R12101C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12101 / R12101C24: got '0.03'
## Warning: Expecting logical in Y12101 / R12101C25: got 'mg/L'
## Warning: Expecting logical in M12103 / R12103C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R12103 / R12103C18: got 'as P'
## Warning: Expecting logical in R12104 / R12104C18: got 'as CaCO3'
## Warning: Expecting logical in R12105 / R12105C18: got 'as N'
## Warning: Expecting logical in W12105 / R12105C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12105 / R12105C24: got '0.02'
## Warning: Expecting logical in Y12105 / R12105C25: got 'mg/L'
## Warning: Expecting logical in R12110 / R12110C18: got 'as N'
## Warning: Expecting logical in W12110 / R12110C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12110 / R12110C24: got '0.02'
## Warning: Expecting logical in Y12110 / R12110C25: got 'mg/L'
## Warning: Expecting logical in R12111 / R12111C18: got 'as N'
## Warning: Expecting logical in M12112 / R12112C13: got '68583-22-2'
## Warning: Expecting logical in R12115 / R12115C18: got 'as N'
## Warning: Expecting logical in R12117 / R12117C18: got 'as CaCO3'
## Warning: Expecting logical in R12119 / R12119C18: got 'as CaCO3'
## Warning: Expecting logical in M12120 / R12120C13: got '7723-14-0'
## Warning: Expecting logical in R12120 / R12120C18: got 'as P'
## Warning: Expecting logical in M12121 / R12121C13: got '68583-22-2'
## Warning: Expecting logical in R12122 / R12122C18: got 'as N'
## Warning: Expecting logical in R12124 / R12124C18: got 'as CaCO3'
## Warning: Expecting logical in R12125 / R12125C18: got 'as N'
## Warning: Expecting logical in W12125 / R12125C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12125 / R12125C24: got '0.03'
## Warning: Expecting logical in Y12125 / R12125C25: got 'mg/L'
```

```
## Warning: Expecting logical in R12127 / R12127C18: got 'as CaCO3'
## Warning: Expecting logical in W12128 / R12128C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12128 / R12128C24: got '2.0'
## Warning: Expecting logical in Y12128 / R12128C25: got 'mg/L'
## Warning: Expecting logical in R12129 / R12129C18: got 'as N'
## Warning: Expecting logical in M12133 / R12133C13: got '7723-14-0'
## Warning: Expecting logical in R12133 / R12133C18: got 'as P'
## Warning: Expecting logical in M12136 / R12136C13: got '7723-14-0'
## Warning: Expecting logical in R12136 / R12136C18: got 'as P'
## Warning: Expecting logical in R12137 / R12137C18: got 'as N'
## Warning: Expecting logical in W12137 / R12137C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12137 / R12137C24: got '0.03'
## Warning: Expecting logical in Y12137 / R12137C25: got 'mg/L'
## Warning: Expecting logical in M12138 / R12138C13: got '68583-22-2'
## Warning: Expecting logical in M12139 / R12139C13: got '14265-44-2'
## Warning: Expecting logical in R12139 / R12139C18: got 'as P'
## Warning: Expecting logical in W12139 / R12139C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12139 / R12139C24: got '0.04'
## Warning: Expecting logical in Y12139 / R12139C25: got 'mg/L'
## Warning: Expecting logical in W12140 / R12140C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12140 / R12140C24: got '2.5'
## Warning: Expecting logical in Y12140 / R12140C25: got 'mg/L'
## Warning: Expecting logical in W12142 / R12142C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12142 / R12142C24: got '2.0'
```

```
## Warning: Expecting logical in Y12142 / R12142C25: got 'mg/L'
## Warning: Expecting logical in R12144 / R12144C18: got 'as CaCO3'
## Warning: Expecting logical in R12145 / R12145C18: got 'as N'
## Warning: Expecting logical in R12148 / R12148C18: got 'as CaCO3'
## Warning: Expecting logical in R12149 / R12149C18: got 'as N'
## Warning: Expecting logical in R12150 / R12150C18: got 'as N' \,
## Warning: Expecting logical in R12151 / R12151C18: got 'as CaCO3'
## Warning: Expecting logical in R12152 / R12152C18: got 'as CaCO3'
## Warning: Expecting logical in M12153 / R12153C13: got '68583-22-2'
## Warning: Expecting logical in M12154 / R12154C13: got '7723-14-0'
## Warning: Expecting logical in R12154 / R12154C18: got 'as P'
## Warning: Expecting logical in W12156 / R12156C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12156 / R12156C24: got '2.0'
## Warning: Expecting logical in Y12156 / R12156C25: got 'mg/L'
## Warning: Expecting logical in R12157 / R12157C18: got 'as N'
## Warning: Expecting logical in R12160 / R12160C18: got 'as N'
## Warning: Expecting logical in M12162 / R12162C13: got '14265-44-2'
## Warning: Expecting logical in R12162 / R12162C18: got 'as P'
## Warning: Expecting logical in W12162 / R12162C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12162 / R12162C24: got '0.04'
## Warning: Expecting logical in Y12162 / R12162C25: got 'mg/L'
## Warning: Expecting logical in W12165 / R12165C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12165 / R12165C24: got '2.5'
## Warning: Expecting logical in Y12165 / R12165C25: got 'mg/L'
```

```
## Warning: Expecting logical in M12168 / R12168C13: got '7723-14-0'
## Warning: Expecting logical in R12168 / R12168C18: got 'as P'
## Warning: Expecting logical in R12169 / R12169C18: got 'as CaCO3'
## Warning: Expecting logical in R12170 / R12170C18: got 'as N' \,
## Warning: Expecting logical in M12172 / R12172C13: got '68583-22-2'
## Warning: Expecting logical in R12174 / R12174C18: got 'as N'
## Warning: Expecting logical in W12175 / R12175C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12175 / R12175C24: got '2.0'
## Warning: Expecting logical in Y12175 / R12175C25: got 'mg/L'
## Warning: Expecting logical in R12176 / R12176C18: got 'as N'
## Warning: Expecting logical in W12176 / R12176C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12176 / R12176C24: got '0.03'
## Warning: Expecting logical in Y12176 / R12176C25: got 'mg/L'
## Warning: Expecting logical in R12178 / R12178C18: got 'as CaCO3'
## Warning: Expecting logical in M12179 / R12179C13: got '7723-14-0'
## Warning: Expecting logical in R12179 / R12179C18: got 'as P'
## Warning: Expecting logical in R12180 / R12180C18: got 'as N' \,
## Warning: Expecting logical in W12182 / R12182C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12182 / R12182C24: got '2.0'
## Warning: Expecting logical in Y12182 / R12182C25: got 'mg/L'
## Warning: Expecting logical in R12186 / R12186C18: got 'as CaCO3'
## Warning: Expecting logical in M12188 / R12188C13: got '68583-22-2'
## Warning: Expecting logical in R12189 / R12189C18: got 'as N'
## Warning: Expecting logical in R12191 / R12191C18: got 'as CaCO3'
```

```
## Warning: Expecting logical in R12192 / R12192C18: got 'as N'
## Warning: Expecting logical in W12192 / R12192C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12192 / R12192C24: got '0.03'
## Warning: Expecting logical in Y12192 / R12192C25: got 'mg/L'
## Warning: Expecting logical in R12195 / R12195C18: got 'as N' \,
## Warning: Expecting logical in W12195 / R12195C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12195 / R12195C24: got '0.03'
## Warning: Expecting logical in Y12195 / R12195C25: got 'mg/L'
## Warning: Expecting logical in R12196 / R12196C18: got 'as CaCO3'
## Warning: Expecting logical in M12197 / R12197C13: got '7723-14-0'
## Warning: Expecting logical in R12197 / R12197C18: got 'as P'
## Warning: Expecting logical in R12201 / R12201C18: got 'as N'
## Warning: Expecting logical in M12202 / R12202C13: got '68583-22-2'
## Warning: Expecting logical in M12203 / R12203C13: got '14265-44-2'
## Warning: Expecting logical in R12203 / R12203C18: got 'as P'
## Warning: Expecting logical in W12203 / R12203C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12203 / R12203C24: got '0.04'
## Warning: Expecting logical in Y12203 / R12203C25: got 'mg/L'
## Warning: Expecting logical in R12204 / R12204C18: got 'as N'
## Warning: Expecting logical in R12206 / R12206C18: got 'as CaCO3'
## Warning: Expecting logical in W12207 / R12207C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12207 / R12207C24: got '2.0'
## Warning: Expecting logical in Y12207 / R12207C25: got 'mg/L'
## Warning: Expecting logical in R12208 / R12208C18: got 'as N'
```

```
## Warning: Expecting logical in W12208 / R12208C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12208 / R12208C24: got '0.02'
## Warning: Expecting logical in Y12208 / R12208C25: got 'mg/L'
## Warning: Expecting logical in R12210 / R12210C18: got 'as CaCO3'
## Warning: Expecting logical in R12211 / R12211C18: got 'as N'
## Warning: Expecting logical in R12213 / R12213C18: got 'as CaCO3'
## Warning: Expecting logical in M12215 / R12215C13: got '14265-44-2'
## Warning: Expecting logical in R12215 / R12215C18: got 'as P'
## Warning: Expecting logical in R12216 / R12216C18: got 'as N'
## Warning: Expecting logical in M12221 / R12221C13: got '7723-14-0'
## Warning: Expecting logical in R12221 / R12221C18: got 'as P'
## Warning: Expecting logical in R12222 / R12222C18: got 'as N'
## Warning: Expecting logical in R12223 / R12223C18: got 'as CaCO3'
## Warning: Expecting logical in R12224 / R12224C18: got 'as CaCO3'
## Warning: Expecting logical in R12225 / R12225C18: got 'as N'
## Warning: Expecting logical in M12226 / R12226C13: got '68583-22-2'
## Warning: Expecting logical in M12228 / R12228C13: got '7723-14-0'
## Warning: Expecting logical in R12228 / R12228C18: got 'as P'
## Warning: Expecting logical in W12229 / R12229C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12229 / R12229C24: got '2.0'
## Warning: Expecting logical in Y12229 / R12229C25: got 'mg/L'
## Warning: Expecting logical in R12232 / R12232C18: got 'as N' \,
## Warning: Expecting logical in M12236 / R12236C13: got '68583-22-2'
## Warning: Expecting logical in M12237 / R12237C13: got '68583-22-2'
```

```
## Warning: Expecting logical in M12238 / R12238C13: got '68583-22-2'
## Warning: Expecting logical in M12239 / R12239C13: got '68583-22-2'
## Warning: Expecting logical in M12240 / R12240C13: got '68583-22-2'
## Warning: Expecting logical in R12241 / R12241C18: got 'as CaCO3'
## Warning: Expecting logical in R12242 / R12242C18: got 'as CaCO3'
## Warning: Expecting logical in R12243 / R12243C18: got 'as N' \,
## Warning: Expecting logical in W12245 / R12245C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12245 / R12245C24: got '2.5'
## Warning: Expecting logical in Y12245 / R12245C25: got 'mg/L'
## Warning: Expecting logical in W12249 / R12249C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12249 / R12249C24: got '2.0'
## Warning: Expecting logical in Y12249 / R12249C25: got 'mg/L'
## Warning: Expecting logical in R12250 / R12250C18: got 'as N' \,
## Warning: Expecting logical in M12251 / R12251C13: got '7723-14-0'
## Warning: Expecting logical in R12251 / R12251C18: got 'as P'
## Warning: Expecting logical in W12251 / R12251C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12251 / R12251C24: got '0.02'
## Warning: Expecting logical in Y12251 / R12251C25: got 'mg/L'
## Warning: Expecting logical in R12253 / R12253C18: got 'as N'
## Warning: Expecting logical in R12255 / R12255C18: got 'as CaCO3'
## Warning: Expecting logical in R12258 / R12258C18: got 'as CaCO3'
## Warning: Expecting logical in R12260 / R12260C18: got 'as N'
## Warning: Expecting logical in R12261 / R12261C18: got 'as N'
## Warning: Expecting logical in R12262 / R12262C18: got 'as N'
```

```
## Warning: Expecting logical in W12263 / R12263C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12263 / R12263C24: got '2.0'
## Warning: Expecting logical in Y12263 / R12263C25: got 'mg/L'
## Warning: Expecting logical in M12266 / R12266C13: got '7723-14-0'
## Warning: Expecting logical in R12266 / R12266C18: got 'as P'
## Warning: Expecting logical in W12266 / R12266C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12266 / R12266C24: got '0.02'
## Warning: Expecting logical in Y12266 / R12266C25: got 'mg/L'
## Warning: Expecting logical in M12267 / R12267C13: got '7723-14-0'
## Warning: Expecting logical in R12267 / R12267C18: got 'as P'
## Warning: Expecting logical in W12267 / R12267C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12267 / R12267C24: got '0.02'
## Warning: Expecting logical in Y12267 / R12267C25: got 'mg/L'
## Warning: Expecting logical in R12269 / R12269C18: got 'as N'
## Warning: Expecting logical in W12269 / R12269C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12269 / R12269C24: got '0.20'
## Warning: Expecting logical in Y12269 / R12269C25: got 'mg/L'
## Warning: Expecting logical in R12274 / R12274C18: got 'as CaCO3'
## Warning: Expecting logical in R12275 / R12275C18: got 'as N'
## Warning: Expecting logical in R12276 / R12276C18: got 'as CaCO3'
## Warning: Expecting logical in W12277 / R12277C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12277 / R12277C24: got '2.0'
## Warning: Expecting logical in Y12277 / R12277C25: got 'mg/L'
## Warning: Expecting logical in R12279 / R12279C18: got 'as N'
```

```
## Warning: Expecting logical in R12280 / R12280C18: got 'as CaCO3'
## Warning: Expecting logical in W12281 / R12281C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12281 / R12281C24: got '2.0'
## Warning: Expecting logical in Y12281 / R12281C25: got 'mg/L'
## Warning: Expecting logical in R12284 / R12284C18: got 'as N' \,
## Warning: Expecting logical in M12285 / R12285C13: got '14265-44-2'
## Warning: Expecting logical in R12285 / R12285C18: got 'as P'
## Warning: Expecting logical in W12285 / R12285C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12285 / R12285C24: got '0.04'
## Warning: Expecting logical in Y12285 / R12285C25: got 'mg/L'
## Warning: Expecting logical in M12287 / R12287C13: got '7723-14-0'
## Warning: Expecting logical in R12287 / R12287C18: got 'as P'
## Warning: Expecting logical in R12288 / R12288C18: got 'as N' \,
## Warning: Expecting logical in R12289 / R12289C18: got 'as CaCO3'
## Warning: Expecting logical in R12292 / R12292C18: got 'as N'
## Warning: Expecting logical in W12292 / R12292C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12292 / R12292C24: got '0.03'
## Warning: Expecting logical in Y12292 / R12292C25: got 'mg/L'
## Warning: Expecting logical in R12295 / R12295C18: got 'as CaCO3'
## Warning: Expecting logical in R12297 / R12297C18: got 'as CaCO3'
## Warning: Expecting logical in R12298 / R12298C18: got 'as N'
## Warning: Expecting logical in R12301 / R12301C18: got 'as N' \,
## Warning: Expecting logical in W12302 / R12302C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12302 / R12302C24: got '2.0'
```

```
## Warning: Expecting logical in Y12302 / R12302C25: got 'mg/L'
## Warning: Expecting logical in R12304 / R12304C18: got 'as N' \,
## Warning: Expecting logical in M12306 / R12306C13: got '7723-14-0'
## Warning: Expecting logical in R12306 / R12306C18: got 'as P' \,
## Warning: Expecting logical in R12309 / R12309C18: got 'as N'
## Warning: Expecting logical in R12311 / R12311C18: got 'as CaCO3'
## Warning: Expecting logical in M12312 / R12312C13: got '7723-14-0'
## Warning: Expecting logical in R12312 / R12312C18: got 'as P'
## Warning: Expecting logical in W12312 / R12312C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12312 / R12312C24: got '0.02'
## Warning: Expecting logical in Y12312 / R12312C25: got 'mg/L'
## Warning: Expecting logical in W12314 / R12314C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12314 / R12314C24: got '2.5'
## Warning: Expecting logical in Y12314 / R12314C25: got 'mg/L'
## Warning: Expecting logical in W12315 / R12315C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12315 / R12315C24: got '2.0'
## Warning: Expecting logical in Y12315 / R12315C25: got 'mg/L'
## Warning: Expecting logical in M12316 / R12316C13: got '14265-44-2'
## Warning: Expecting logical in R12316 / R12316C18: got 'as P'
## Warning: Expecting logical in W12316 / R12316C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12316 / R12316C24: got '0.04'
## Warning: Expecting logical in Y12316 / R12316C25: got 'mg/L'
## Warning: Expecting logical in R12317 / R12317C18: got 'as N'
## Warning: Expecting logical in W12317 / R12317C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X12317 / R12317C24: got '0.03'
## Warning: Expecting logical in Y12317 / R12317C25: got 'mg/L'
## Warning: Expecting logical in R12318 / R12318C18: got 'as CaCO3'
## Warning: Expecting logical in R12320 / R12320C18: got 'as N'
## Warning: Expecting logical in W12320 / R12320C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12320 / R12320C24: got '0.20'
## Warning: Expecting logical in Y12320 / R12320C25: got 'mg/L'
## Warning: Expecting logical in M12321 / R12321C13: got '68583-22-2'
## Warning: Expecting logical in M12322 / R12322C13: got '68583-22-2'
## Warning: Expecting logical in M12323 / R12323C13: got '68583-22-2'
## Warning: Expecting logical in M12324 / R12324C13: got '68583-22-2'
## Warning: Expecting logical in M12325 / R12325C13: got '68583-22-2'
## Warning: Expecting logical in R12328 / R12328C18: got 'as N'
## Warning: Expecting logical in W12328 / R12328C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12328 / R12328C24: got '0.03'
## Warning: Expecting logical in Y12328 / R12328C25: got 'mg/L'
## Warning: Expecting logical in M12331 / R12331C13: got '7723-14-0'
## Warning: Expecting logical in R12331 / R12331C18: got 'as P'
## Warning: Expecting logical in W12332 / R12332C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12332 / R12332C24: got '2.5'
## Warning: Expecting logical in Y12332 / R12332C25: got 'mg/L'
## Warning: Expecting logical in R12333 / R12333C18: got 'as CaCO3'
## Warning: Expecting logical in R12334 / R12334C18: got 'as N'
## Warning: Expecting logical in R12335 / R12335C18: got 'as N'
```

```
## Warning: Expecting logical in W12335 / R12335C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12335 / R12335C24: got '0.20'
## Warning: Expecting logical in Y12335 / R12335C25: got 'mg/L'
## Warning: Expecting logical in R12336 / R12336C18: got 'as CaCO3'
## Warning: Expecting logical in W12338 / R12338C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12338 / R12338C24: got '2.0'
## Warning: Expecting logical in Y12338 / R12338C25: got 'mg/L'
## Warning: Expecting logical in W12340 / R12340C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12340 / R12340C24: got '2.0'
## Warning: Expecting logical in Y12340 / R12340C25: got 'mg/L'
## Warning: Expecting logical in M12341 / R12341C13: got '14265-44-2'
## Warning: Expecting logical in R12341 / R12341C18: got 'as P'
## Warning: Expecting logical in W12341 / R12341C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12341 / R12341C24: got '0.04'
## Warning: Expecting logical in Y12341 / R12341C25: got 'mg/L'
## Warning: Expecting logical in R12343 / R12343C18: got 'as N'
## Warning: Expecting logical in R12344 / R12344C18: got 'as CaCO3'
## Warning: Expecting logical in R12346 / R12346C18: got 'as N'
## Warning: Expecting logical in R12349 / R12349C18: got 'as N'
## Warning: Expecting logical in M12351 / R12351C13: got '68583-22-2'
## Warning: Expecting logical in R12352 / R12352C18: got 'as CaCO3'
## Warning: Expecting logical in W12352 / R12352C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12352 / R12352C24: got '1.0'
## Warning: Expecting logical in Y12352 / R12352C25: got 'mg/L'
```

```
## Warning: Expecting logical in M12353 / R12353C13: got '7723-14-0'
## Warning: Expecting logical in R12353 / R12353C18: got 'as P'
## Warning: Expecting logical in W12353 / R12353C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12353 / R12353C24: got '0.02'
## Warning: Expecting logical in Y12353 / R12353C25: got 'mg/L'
## Warning: Expecting logical in R12355 / R12355C18: got 'as CaCO3'
## Warning: Expecting logical in M12356 / R12356C13: got '7723-14-0'
## Warning: Expecting logical in R12356 / R12356C18: got 'as P'
## Warning: Expecting logical in W12356 / R12356C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12356 / R12356C24: got '0.02'
## Warning: Expecting logical in Y12356 / R12356C25: got 'mg/L'
## Warning: Expecting logical in R12358 / R12358C18: got 'as N'
## Warning: Expecting logical in R12359 / R12359C18: got 'as CaCO3'
## Warning: Expecting logical in M12364 / R12364C13: got '14265-44-2'
## Warning: Expecting logical in R12364 / R12364C18: got 'as P'
## Warning: Expecting logical in W12364 / R12364C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12364 / R12364C24: got '0.04'
## Warning: Expecting logical in Y12364 / R12364C25: got 'mg/L'
## Warning: Expecting logical in M12365 / R12365C13: got '68583-22-2'
## Warning: Expecting logical in W12366 / R12366C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12366 / R12366C24: got '2.0'
## Warning: Expecting logical in Y12366 / R12366C25: got 'mg/L'
## Warning: Expecting logical in R12368 / R12368C18: got 'as N'
## Warning: Expecting logical in R12369 / R12369C18: got 'as N'
```

```
## Warning: Expecting logical in M12371 / R12371C13: got '68583-22-2'
## Warning: Expecting logical in R12372 / R12372C18: got 'as CaCO3'
## Warning: Expecting logical in M12376 / R12376C13: got '7723-14-0'
## Warning: Expecting logical in R12376 / R12376C18: got 'as P'
## Warning: Expecting logical in W12378 / R12378C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12378 / R12378C24: got '2.0'
## Warning: Expecting logical in Y12378 / R12378C25: got 'mg/L'
## Warning: Expecting logical in R12380 / R12380C18: got 'as N'
## Warning: Expecting logical in R12381 / R12381C18: got 'as CaCO3'
## Warning: Expecting logical in R12382 / R12382C18: got 'as N'
## Warning: Expecting logical in R12383 / R12383C18: got 'as N'
## Warning: Expecting logical in M12385 / R12385C13: got '68583-22-2'
## Warning: Expecting logical in R12386 / R12386C18: got 'as N'
## Warning: Expecting logical in R12388 / R12388C18: got 'as CaCO3'
## Warning: Expecting logical in R12389 / R12389C18: got 'as CaCO3'
## Warning: Expecting logical in W12393 / R12393C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12393 / R12393C24: got '2.0'
## Warning: Expecting logical in Y12393 / R12393C25: got 'mg/L'
## Warning: Expecting logical in M12394 / R12394C13: got '7723-14-0'
## Warning: Expecting logical in R12394 / R12394C18: got 'as P' \,
## Warning: Expecting logical in R12395 / R12395C18: got 'as N'
## Warning: Expecting logical in R12396 / R12396C18: got 'as N'
## Warning: Expecting logical in R12400 / R12400C18: got 'as CaCO3'
## Warning: Expecting logical in M12401 / R12401C13: got '7723-14-0'
```

```
## Warning: Expecting logical in R12401 / R12401C18: got 'as P'
## Warning: Expecting logical in W12403 / R12403C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12403 / R12403C24: got '2.0'
## Warning: Expecting logical in Y12403 / R12403C25: got 'mg/L'
## Warning: Expecting logical in R12404 / R12404C18: got 'as N' \,
## Warning: Expecting logical in R12405 / R12405C18: got 'as N' \,
## Warning: Expecting logical in W12405 / R12405C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12405 / R12405C24: got '0.03'
## Warning: Expecting logical in Y12405 / R12405C25: got 'mg/L'
## Warning: Expecting logical in R12406 / R12406C18: got 'as N'
## Warning: Expecting logical in R12407 / R12407C18: got 'as CaCO3'
## Warning: Expecting logical in M12408 / R12408C13: got '14265-44-2'
## Warning: Expecting logical in R12408 / R12408C18: got 'as P'
## Warning: Expecting logical in W12408 / R12408C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12408 / R12408C24: got '0.04'
## Warning: Expecting logical in Y12408 / R12408C25: got 'mg/L'
## Warning: Expecting logical in M12409 / R12409C13: got '68583-22-2'
## Warning: Expecting logical in R12413 / R12413C18: got 'as N' \,
## Warning: Expecting logical in W12413 / R12413C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12413 / R12413C24: got '0.03'
## Warning: Expecting logical in Y12413 / R12413C25: got 'mg/L'
## Warning: Expecting logical in M12414 / R12414C13: got '14265-44-2'
## Warning: Expecting logical in R12414 / R12414C18: got 'as P'
## Warning: Expecting logical in W12414 / R12414C23: got 'Lower Reporting Limit'
```

```
## Warning: Expecting logical in X12414 / R12414C24: got '0.04'
## Warning: Expecting logical in Y12414 / R12414C25: got 'mg/L'
## Warning: Expecting logical in W12416 / R12416C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12416 / R12416C24: got '2.0'
## Warning: Expecting logical in Y12416 / R12416C25: got 'mg/L'
## Warning: Expecting logical in R12418 / R12418C18: got 'as CaCO3'
## Warning: Expecting logical in R12419 / R12419C18: got 'as N' \,
## Warning: Expecting logical in W12419 / R12419C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12419 / R12419C24: got '0.20'
## Warning: Expecting logical in Y12419 / R12419C25: got 'mg/L'
## Warning: Expecting logical in M12420 / R12420C13: got '68583-22-2'
## Warning: Expecting logical in R12421 / R12421C18: got 'as N'
## Warning: Expecting logical in W12421 / R12421C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12421 / R12421C24: got '0.02'
## Warning: Expecting logical in Y12421 / R12421C25: got 'mg/L'
## Warning: Expecting logical in R12422 / R12422C18: got 'as CaCO3'
## Warning: Expecting logical in M12425 / R12425C13: got '7723-14-0'
## Warning: Expecting logical in R12425 / R12425C18: got 'as P'
## Warning: Expecting logical in W12425 / R12425C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12425 / R12425C24: got '0.02'
## Warning: Expecting logical in Y12425 / R12425C25: got 'mg/L'
## Warning: Expecting logical in W12427 / R12427C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12427 / R12427C24: got '2.5'
## Warning: Expecting logical in Y12427 / R12427C25: got 'mg/L'
```

```
## Warning: Expecting logical in R12429 / R12429C18: got 'as CaCO3'
## Warning: Expecting logical in R12431 / R12431C18: got 'as N'
## Warning: Expecting logical in R12433 / R12433C18: got 'as CaCO3'
## Warning: Expecting logical in W12435 / R12435C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12435 / R12435C24: got '2.0'
## Warning: Expecting logical in Y12435 / R12435C25: got 'mg/L'
## Warning: Expecting logical in M12436 / R12436C13: got '68583-22-2'
## Warning: Expecting logical in R12438 / R12438C18: got 'as N'
## Warning: Expecting logical in R12440 / R12440C18: got 'as N'
## Warning: Expecting logical in M12441 / R12441C13: got '7723-14-0'
## Warning: Expecting logical in R12441 / R12441C18: got 'as P'
## Warning: Expecting logical in R12445 / R12445C18: got 'as N'
## Warning: Expecting logical in R12447 / R12447C18: got 'as CaCO3'
## Warning: Expecting logical in R12450 / R12450C18: got 'as CaCO3'
## Warning: Expecting logical in M12452 / R12452C13: got '7723-14-0'
## Warning: Expecting logical in R12452 / R12452C18: got 'as P'
## Warning: Expecting logical in R12453 / R12453C18: got 'as N'
## Warning: Expecting logical in M12454 / R12454C13: got '14265-44-2'
## Warning: Expecting logical in R12454 / R12454C18: got 'as P'
## Warning: Expecting logical in W12454 / R12454C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12454 / R12454C24: got '0.04'
## Warning: Expecting logical in Y12454 / R12454C25: got 'mg/L'
## Warning: Expecting logical in R12455 / R12455C18: got 'as N'
## Warning: Expecting logical in M12456 / R12456C13: got '14265-44-2'
```

```
## Warning: Expecting logical in R12456 / R12456C18: got 'as P'
## Warning: Expecting logical in W12456 / R12456C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12456 / R12456C24: got '0.04'
## Warning: Expecting logical in Y12456 / R12456C25: got 'mg/L'
## Warning: Expecting logical in R12458 / R12458C18: got 'as N'
## Warning: Expecting logical in W12458 / R12458C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12458 / R12458C24: got '0.03'
## Warning: Expecting logical in Y12458 / R12458C25: got 'mg/L'
## Warning: Expecting logical in R12459 / R12459C18: got 'as N'
## Warning: Expecting logical in M12462 / R12462C13: got '7723-14-0'
## Warning: Expecting logical in R12462 / R12462C18: got 'as P'
## Warning: Expecting logical in R12464 / R12464C18: got 'as N'
## Warning: Expecting logical in R12465 / R12465C18: got 'as CaCO3'
## Warning: Expecting logical in R12466 / R12466C18: got 'as CaCO3'
## Warning: Expecting logical in W12470 / R12470C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12470 / R12470C24: got '2.5'
## Warning: Expecting logical in Y12470 / R12470C25: got 'mg/L'
## Warning: Expecting logical in M12471 / R12471C13: got '7723-14-0'
## Warning: Expecting logical in R12471 / R12471C18: got 'as P'
## Warning: Expecting logical in R12473 / R12473C18: got 'as N'
## Warning: Expecting logical in R12474 / R12474C18: got 'as CaCO3'
## Warning: Expecting logical in W12475 / R12475C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12475 / R12475C24: got '2.0'
## Warning: Expecting logical in Y12475 / R12475C25: got 'mg/L'
```

```
## Warning: Expecting logical in R12477 / R12477C18: got 'as N'
## Warning: Expecting logical in W12477 / R12477C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12477 / R12477C24: got '0.03'
## Warning: Expecting logical in Y12477 / R12477C25: got 'mg/L'
## Warning: Expecting logical in R12480 / R12480C18: got 'as N'
## Warning: Expecting logical in R12481 / R12481C18: got 'as CaCO3'
## Warning: Expecting logical in R12483 / R12483C18: got 'as CaCO3'
## Warning: Expecting logical in R12484 / R12484C18: got 'as CaCO3'
## Warning: Expecting logical in R12488 / R12488C18: got 'as N'
## Warning: Expecting logical in M12489 / R12489C13: got '7723-14-0'
## Warning: Expecting logical in R12489 / R12489C18: got 'as P'
## Warning: Expecting logical in R12490 / R12490C18: got 'as N'
## Warning: Expecting logical in R12493 / R12493C18: got 'as N'
## Warning: Expecting logical in W12495 / R12495C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12495 / R12495C24: got '2.0'
## Warning: Expecting logical in Y12495 / R12495C25: got 'mg/L'
## Warning: Expecting logical in R12496 / R12496C18: got 'as CaCO3'
## Warning: Expecting logical in M12501 / R12501C13: got '7723-14-0'
## Warning: Expecting logical in R12501 / R12501C18: got 'as P'
## Warning: Expecting logical in R12502 / R12502C18: got 'as CaCO3'
## Warning: Expecting logical in W12503 / R12503C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12503 / R12503C24: got '2.0'
## Warning: Expecting logical in Y12503 / R12503C25: got 'mg/L'
## Warning: Expecting logical in R12505 / R12505C18: got 'as N'
```

```
## Warning: Expecting logical in R12507 / R12507C18: got 'as N'
## Warning: Expecting logical in R12508 / R12508C18: got 'as N'
## Warning: Expecting logical in R12509 / R12509C18: got 'as N'
## Warning: Expecting logical in M12510 / R12510C13: got '7723-14-0'
## Warning: Expecting logical in R12510 / R12510C18: got 'as P'
## Warning: Expecting logical in R12512 / R12512C18: got 'as N' \,
## Warning: Expecting logical in W12512 / R12512C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12512 / R12512C24: got '0.03'
## Warning: Expecting logical in Y12512 / R12512C25: got 'mg/L'
## Warning: Expecting logical in R12514 / R12514C18: got 'as CaCO3'
## Warning: Expecting logical in R12516 / R12516C18: got 'as N'
## Warning: Expecting logical in W12516 / R12516C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12516 / R12516C24: got '0.20'
## Warning: Expecting logical in Y12516 / R12516C25: got 'mg/L'
## Warning: Expecting logical in R12520 / R12520C18: got 'as CaCO3'
## Warning: Expecting logical in W12521 / R12521C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12521 / R12521C24: got '2.0'
## Warning: Expecting logical in Y12521 / R12521C25: got 'mg/L'
## Warning: Expecting logical in R12522 / R12522C18: got 'as N'
## Warning: Expecting logical in R12524 / R12524C18: got 'as N' \,
## Warning: Expecting logical in W12524 / R12524C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12524 / R12524C24: got '0.20'
## Warning: Expecting logical in Y12524 / R12524C25: got 'mg/L'
## Warning: Expecting logical in R12526 / R12526C18: got 'as N'
```

```
## Warning: Expecting logical in W12526 / R12526C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12526 / R12526C24: got '0.03'
## Warning: Expecting logical in Y12526 / R12526C25: got 'mg/L'
## Warning: Expecting logical in M12527 / R12527C13: got '7723-14-0'
## Warning: Expecting logical in R12527 / R12527C18: got 'as P'
## Warning: Expecting logical in W12527 / R12527C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12527 / R12527C24: got '0.02'
## Warning: Expecting logical in Y12527 / R12527C25: got 'mg/L'
## Warning: Expecting logical in W12529 / R12529C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12529 / R12529C24: got '2.5'
## Warning: Expecting logical in Y12529 / R12529C25: got 'mg/L'
## Warning: Expecting logical in W12531 / R12531C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12531 / R12531C24: got '1.0'
## Warning: Expecting logical in Y12531 / R12531C25: got 'mg/L'
## Warning: Expecting logical in W12532 / R12532C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12532 / R12532C24: got '2.0'
## Warning: Expecting logical in Y12532 / R12532C25: got 'mg/L'
## Warning: Expecting logical in R12533 / R12533C18: got 'as CaCO3'
## Warning: Expecting logical in R12534 / R12534C18: got 'as CaCO3'
## Warning: Expecting logical in R12537 / R12537C18: got 'as CaCO3'
## Warning: Expecting logical in R12539 / R12539C18: got 'as N'
## Warning: Expecting logical in W12539 / R12539C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12539 / R12539C24: got '0.03'
## Warning: Expecting logical in Y12539 / R12539C25: got 'mg/L'
```

```
## Warning: Expecting logical in R12540 / R12540C18: got 'as CaCO3'
## Warning: Expecting logical in W12541 / R12541C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12541 / R12541C24: got '2.0'
## Warning: Expecting logical in Y12541 / R12541C25: got 'mg/L'
## Warning: Expecting logical in M12543 / R12543C13: got '7723-14-0'
## Warning: Expecting logical in R12543 / R12543C18: got 'as P'
## Warning: Expecting logical in R12544 / R12544C18: got 'as N'
## Warning: Expecting logical in W12544 / R12544C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12544 / R12544C24: got '0.20'
## Warning: Expecting logical in Y12544 / R12544C25: got 'mg/L'
## Warning: Expecting logical in R12546 / R12546C18: got 'as N'
## Warning: Expecting logical in W12549 / R12549C23: got 'Lower Reporting Limit'
## Warning: Expecting logical in X12549 / R12549C24: got '2.0'
## Warning: Expecting logical in Y12549 / R12549C25: got 'mg/L'
## Warning: Expecting logical in R12553 / R12553C18: got 'as N'
## Warning: Expecting logical in R12554 / R12554C18: got 'as CaCO3'
## Warning: Expecting logical in R12556 / R12556C18: got 'as N' \,
## Warning: Expecting logical in R12558 / R12558C18: got 'as N'
## Warning: Expecting logical in R12559 / R12559C18: got 'as CaCO3'
## Warning: Expecting logical in M12560 / R12560C13: got '7723-14-0'
## Warning: Expecting logical in R12560 / R12560C18: got 'as P'
## Warning: Expecting logical in M12561 / R12561C13: got '68583-22-2'
## Warning: Expecting logical in M12562 / R12562C13: got '68583-22-2'
## Warning: Expecting logical in M12563 / R12563C13: got '68583-22-2'
```

```
## Warning: Expecting logical in M12564 / R12564C13: got '68583-22-2'
## Warning: Expecting logical in M12565 / R12565C13: got '68583-22-2'
## Warning: Expecting logical in M12566 / R12566C13: got '68583-22-2'
## Warning: Expecting logical in M12567 / R12567C13: got '68583-22-2'
## Warning: Expecting logical in M12568 / R12568C13: got '68583-22-2'
## Warning: Expecting logical in M12569 / R12569C13: got '68583-22-2'
## Warning: Expecting logical in M12570 / R12570C13: got '68583-22-2'
## Warning: Expecting logical in M12571 / R12571C13: got '68583-22-2'
```

Step 3: Viewing data

glimpse(wqd)

```
## Rows: 12,570
## Columns: 39
## $ 'Project Name'
                                                 <chr> "EPD AMU Groundwater", "EPD~
## $ 'Regulatory/Non-Regulatory'
                                                 <chr> "EPD Non Regulatory", "EPD ~
## $ 'Sampling Intent'
                                                 <chr> "AMU Groundwater Sampling",~
## $ 'Sample Type'
                                                 <chr> "Field Msr/Obs", "Field Msr~
## $ Media
                                                 <chr> "Water", "Water", "Water", ~
## $ Submedia
                                                 <chr> "Groundwater", "Groundwater~
                                                 <chr> "GW_02_2526", "GW_02_2526",~
## $ 'Monitoring Location ID'
                                                 <chr> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Monitoring Location'
## $ 'Location/Sample Number'
                                                 <lgl> NA, NA, NA, NA, NA, NA, NA,~
## $ Date
                                                 <dttm> 2022-10-26, 2022-10-26, 20~
## $ Time
                                                 <dttm> 1899-12-31 14:43:00, 1899-~
## $ Parameter
                                                 <chr> "pH", "Temperature, water",~
## $ 'CAS Number'
                                                 <lgl> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Analytical Method'
                                                 <chr> "pH", "Temperature", "Condu~
## $ 'Result (Pick List)'
                                                 <lgl> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Result (Value)'
                                                 <chr> "7.36", "24.78", "281.8", "~
## $ Units
                                                 <chr> "None", "deg C", "umho/cm",~
## $ 'Sample Speciation'
                                                 <lgl> NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Sample Fraction'
                                                 <chr> NA, NA, NA, "Dissolved", NA~
## $ 'Weight Basis (Dry/Wet)'
                                                 <lgl> NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Wet Weather/Dry Weather Sample'
                                                 <lgl> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Detection Condition'
                                                 <chr> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Detection Limit Type'
                                                 <lg>1> NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Detection Limit'
                                                 <lg>1> NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Detection Limit Unit'
                                                 <lg>1> NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Depth of Measurement'
                                                 <dbl> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Depth of Measurement Units'
                                                 <chr> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Result Type'
                                                 <chr> "Actual", "Actual", "Actual~
## $ Status
                                                 <chr> "Preliminary", "Preliminary~
```

```
## $ 'Taxon Name'
                                           <lgl> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Life Stage'
                                           <lgl> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Sex, fish'
                                           <lg>1> NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Age in years, fish'
                                           <lg>\langle NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Length in mm, fish'
                                           <lgl> NA, NA, NA, NA, NA, NA, NA,~
## $ 'Weight in g, fish'
                                           <lgl> NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Frog Audio Heard'
                                           <lgl> NA, NA, NA, NA, NA, NA, NA, ~
## $ 'Result Comments'
                                           <chr> NA, NA, NA, NA, NA, NA, NA,~
## $ 'General Comments'
                                           <chr> NA, NA, NA, NA, NA, NA, NA,~
```

Initial comments: Dataset is full of useless information. We don't need to know about fish. I need to identify important markers such as biochemical oxygen demand, E. coli levels, etc.

Step 4: Cleaning Data

```
wqdclean<- subset(wqd, select = c('Project Name', 'Sampling Intent', 'Submedia', 'Monitoring Location I
```

Dropped 28 variables that were deemed unimportant for analysis and kept 11. It possibly would be a good idea to reshape data based on variable 'Parameter'.

Step 5: Reshaping Data

```
wqdwide <- wqdclean %>% pivot_wider(names_from='Parameter', values_from ='Result (Value)')

## Warning: Values from 'Result (Value)' are not uniquely identified; output will contain list-cols.

## * Use 'values_fn = list' to suppress this warning.

## * Use 'values_fn = {summary_fun}' to summarise duplicates.

## * Use the following dplyr code to identify duplicates.

## * dplyr::group_by('Project Name', 'Sampling Intent', Submedia, 'Monitoring Location ID', 'Monitoring dplyr::summarise(n = dplyr::n(), .groups = "drop") %>%

## dplyr::filter(n > 1L)
```

This worked a little too well. Now there are 141 variables. I did lower the number of observations to 5126 though (from 12570 initially). I'll need to repeat step 4 and remove useless variables.

Step 6: Cleaning Data Again

```
wqdfinal <- wqdwide%>% subset(select=c('Project Name', 'Sampling Intent', 'Submedia', 'Monitoring Locat
```

This dataset is much better and easier to read and use. The main issue however is many datapoints are missing, so I'll need to go in and fix those.