```
g
ppm
                         \eta m
                       Pearson
            ppm
                                                                              \eta m
                                                               (r^2) Pearson
                                                                              %CV
              / mg/m^3
                                mrazari@hotmail.com :
```

(

 )

```
.( )
                                                                    (Metal Working Fluids)
National Institute of Occupational
                Health and Safety (NIOSH)
1
.( )
                                               .( )
        NIOSH
                         NIOSH
                                                                                  (C_{10}-C_{18})
cellulose mixed cellulose
Fourier Transform Infrared
                              Spectrometry
                                                                                 .( )
                                                         ()
           .( )
                                   NIOSH
                          .( )
                                                                      .( )
                          NIOSH
                                   ACGIH
                                                American Conference of
                                               Governmental Industrial Hygienists (ACGIH)
                                                                             mg/m^3
                                                                                       .( )
                                                                             ACGIH (
                                                             1
```

```
/ / Lit/min
                      Lit
                             ( °C)
                         (Cecil CE 2021)
                                                              (% ) n-petane:
                                                Merck
                                     ppm
                                               mixed cellulose ester (MCE)
                                                                                mm
                                                                                    SKC
                            ( )
                                 ) Pearson
                 (Coefficient of Variation)
         ppm
                                                   g
                                                                        μl
            ηm
                                     ppm
                                                                ( /
                                                                     g/ml
                                                                                    ppm
                                                         ( °C)
                                                                         ml
                                                                           ppm
                          ppm
                                                                   SKC
y=0.0245\chi+0.1904 y=0.0213\chi+0.4632
                          y=0.018\chi+0.633
                                                                   (open face filter holder)
                                              MCE
Pearson
                     1
                            1
                                                        / µm
                                                                             mm
                                  .(
                                        )
                                                                     Poly Vinyl Chloride
                                                        μm
```

ppm

P	r <sup>2</sup>		$\lambda_{max}$ nm
< 1		1	
< 1		1	
< 1		1	

%CV	%CV	ppm	MWFs
1	1		
1	1		
1	1		
1	1		
1	1		
1	1		
1	1		
1	1		
1	1		
1	1		
1	1		
	1		

( )

Pearson

NIOSH	1	
MOSII	(	)
( )		
NIOSH ACGIH		
1	1	
NIOSH	.(	)
1 1		
.( ) NIOSH NIOSH ( )		
NIOSH	1	1
.( ).		
(Fourier Transform Infrared	Spectrometr	y)
(Ultra Violet &Visible Spect	rometry)	
.( )	iometry)	
NIOSH		
( )	NIOS	Н
ηm ,		
°C		

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