

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042224\
 Data File : VW035326.D
 Acq On : 22 Apr 2024 12:35
 Operator : SY/MD
 Sample : P2182-12 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MCORE5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/26/2024
 Supervised By :Semsettin Yesilyurt 04/26/2024

Quant Time: Apr 23 00:29:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 00:28:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	259017	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	234239	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	97778	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	81556	32.603	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	65.200%		
7) Chloroethane-d5	1.532	69	92602	42.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.240%		
11) 1,1-Dichloroethene-d2	2.060	65	30624	27.928	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	55.860%#		
21) 2-Butanone-d5	3.857	46	12551m	8.460	ug/L	0.07
Spiked Amount 100.000	Range 40 - 130		Recovery =	8.460%#		
24) Chloroform-d	4.249	84	231981	55.158	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	110.320%		
26) 1,2-Dichloroethane-d4	4.940	65	169773	63.580	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	127.160%#		
32) Benzene-d6	4.960	84	385142	48.949	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.900%		
36) 1,2-Dichloropropane-d6	5.989	67	154226	61.726	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	123.460%#		
41) Toluene-d8	7.243	98	253532	35.779	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	71.560%#		
43) trans-1,3-Dichloroprop...	7.555	79	50398	41.492	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.980%		
47) 2-Hexanone-d5	8.027	63	58593	62.026	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	62.030%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	253815	73.769	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	147.540%#		
66) 1,2-Dichlorobenzene-d4	11.558	152	118014m	53.757	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.520%		
Target Compounds						
13) Acetone	2.130	43	6152	4.517	ug/L	100
33) Benzene	5.005	78	3782014	495.144	ug/L	100
51) Chlorobenzene	8.812	112	6384192	1231.800	ug/L	97
64) 1,3-Dichlorobenzene	11.117	146	61110	18.551	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	1475390	440.430	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	1559307	475.176	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	41876	19.202	ug/L	97
72) 1,2,3-Trichlorobenzene	13.680	180	11408	5.307	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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The chromatogram displays the abundance of various chemical compounds over time. The y-axis represents Abundance, ranging from 0 to 1.45e+07. The x-axis represents Time in minutes, ranging from 0.00 to 17.00. The following table lists the compounds and their approximate retention times:

Compound	Retention Time (min)
Vinyl Chloride-d3,S	~0.5
Chloroethane-d5,S	~1.0
Acetone	~1.5
1,1-Dichloroethene-d2,S	~2.0
2-Butanone-d5,S	~4.0
Chloroform-d3	~4.5
1,2-Dichloroethene-d4,S	~5.0
Benzene,T	~5.0
1,4-Difluorobenzene,I	~5.5
1,2-Dichloropropane-d6,S	~6.0
Toluene-d8,S	~7.5
trans-1,3-Dichloropropene-d4,S	~8.0
2-Hexanone-d5,S	~8.5
Chlorobenzene-d5,I	~8.8
Chlorobenzene,T	~8.8
1,1,2,2-Tetrachloroethane-d2,S	~10.5
1,3-Dichlorobenzene,S	~11.5
1,4-Dichlorobenzene,T	~11.5
1,2-Dichlorobenzene,T	~11.5
1,2-Dichlorobenzene-d4,S	~11.5
1,2,4-trichlorobenzene,T	~13.5
1,2,3-Trichlorobenzene,T	~14.0