

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031723\
 Data File : VW030239.D
 Acq On : 17 Mar 2023 16:37
 Operator : SY/MD
 Sample : 01996-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A27

Quant Time: Mar 17 22:59:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 22:49:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/22/2023
 Supervised By :Mahesh Dadoda 03/22/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	137312	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	123226	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63386	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	34928	3.931	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.539	69	32671	3.917	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.072	63	1784171	97.677	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	1953.600%#
20) 2-Butanone-d5	3.812	46	85208	52.017	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.040%
24) Chloroform-d	4.262	84	96295	5.306	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.200%
26) 1,2-Dichloroethane-d4	4.953	65	38325	5.173	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	4.969	84	136709	4.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
36) 1,2-Dichloropropane-d6	5.998	67	43489	4.360	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.200%
41) Toluene-d8	7.252	98	119474	3.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	7.564	79	15368	4.503	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.037	63	72510	51.356	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.720%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	29072	4.097	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	46118	4.300	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	38852	2.207	ug/L	96
6) Bromomethane	1.497	94	2153	1.025	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	9439	0.907	ug/L #	44
12) 1,1-Dichloroethene	2.076	96	2922854	317.184	ug/L #	72
16) Methylene chloride	2.455	84	6453	0.573	ug/L	92
18) trans-1,2-Dichloroethene	2.699	96	1728	0.197	ug/L	90
19) 1,1-Dichloroethane	3.121	63	187722	11.496	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	88822	9.167	ug/L	86
25) Chloroform	4.288	83	464135	27.322	ug/L	96
27) 1,2-Dichloroethane	5.059	62	4830	0.544	ug/L	97
29) 1,1,1-Trichloroethane	4.522	97	685694	47.369	ug/L	96
31) Carbon tetrachloride	4.748	117	12511	0.962	ug/L	100
33) Benzene	5.021	78	41961	1.247	ug/L	100
34) Trichloroethene	5.847	95	6634637	703.563	ug/L	94
45) 1,1,2-Trichloroethane	7.786	97	4426m	0.722	ug/L	
47) Tetrachloroethene	7.944	164	27734531m	3426.355	ug/L	
54) o-Xylene	9.490	106	7559	0.519	ug/L	95
64) 1,3-Dichlorobenzene	11.127	146	34994	1.843	ug/L	99
65) 1,4-Dichlorobenzene	11.220	146	40453	2.111	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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67) 1,2-Dichlorobenzene	11.590	146	108020	6.442	ug/L	100
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(#) = 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 8.5e+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 as labeled on the plot:

Compound	Approximate Retention Time (min)
Chloroethane-d3, S	1.5
1,1-Dichloroethane-d2, S	2.0
1,1-Dichloroethane-d2, T	2.1
Methylene chloride, T	2.5
trans-1,2-Dichloroethene, T	2.8
1,1-Dichloroethane, T	3.2
2,3-Dichlorobutane-d5, S	4.0
2,3-Dichlorobutane-d5, T	4.1
Chloroform, d, S	4.5
1,1,1-Trichloroethane, T	4.8
Carbon tetrachloride, T	5.0
1,1,2-Trichloroethane-d4, S	5.2
1,1,2-Trichloroethane, T	5.5
1,4-Difluorobenzene, I	5.8
1,2-Dichloropropane-d6, S	6.0
Trichloroethene, T	6.0
Toluene-d8, S	7.5
trans-1,3-Dichloropropene-d4, S	7.8
1,1,2-Trichloroethane, T	8.0
2-Hexanone-d5, S	8.0
Chlorobenzene-d5, I	9.0
o-Xylene, T	9.5
1,1,2,2-Tetrachloroethane-d2, S	10.0
1,2-Dichlorobenzene-T, I	11.0
1,2-Dichlorobenzene-T, S	11.0
1,2-Dichlorobenzene-d4, S	11.5
Tetrachloroethene, T	8.0