

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112421\
 Data File : VU045985.D
 Acq On : 24 Nov 2021 10:19
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005135

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/26/2021
 Supervised By : Semsettin Yesilyurt 11/29/2021

Quant Time : Nov 26 00:12:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 24 01:57:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	95915	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	96360	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	50338	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	36310	4.778	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.919	69	29804	5.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.800%
11) 1,1-Dichloroethene-d2	2.571	65	15205	4.771	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.400%
20) 2-Butanone-d5	4.665	46	125864	61.805	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.600%
24) Chloroform-d	5.067	84	67763	5.352	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.000%
26) 1,2-Dichloroethane-d4	5.706	65	39228	5.281	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.600%
32) Benzene-d6	5.732	84	134019	5.051	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.693	67	42793	5.117	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.400%
41) Toluene-d8	7.902	98	121318	5.054	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
43) trans-1,3-Dichloroprop...	8.182	79	18486	5.445	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.800%
46) 2-Hexanone-d5	8.639	63	97400	63.739	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.480%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	42200	5.973	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	46883	5.424	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	35930	4.601	ug/L	98
3) Chloromethane	1.520	50	34281	4.142	ug/L	100
5) Vinyl chloride	1.607	62	37230	4.482	ug/L	99
6) Bromomethane	1.861	94	18821	3.821	ug/L	98
8) Chloroethane	1.938	64	22907	4.837	ug/L	100
9) Trichlorofluoromethane	2.144	101	53713	5.009	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	31315	4.980	ug/L	99
12) 1,1-Dichloroethene	2.584	96	28458	4.793	ug/L	94
13) Acetone	2.703	43	69741m	58.183	ug/L	
14) Carbon disulfide	2.800	76	78578	4.185	ug/L	100
15) Methyl Acetate	2.970	43	13507	4.593	ug/L #	85
16) Methylene chloride	3.051	84	37295	4.255	ug/L	94
17) Methyl tert-butyl Ether	3.369	73	86933	5.624	ug/L	100
18) trans-1,2-Dichloroethene	3.359	96	30682	4.821	ug/L	94
19) 1,1-Dichloroethane	3.874	63	58487	4.905	ug/L	99
21) 2-Butanone	4.735	43	119657	59.331	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	34916	5.060	ug/L	98
23) Bromochloromethane	4.980	128	16428	5.462	ug/L	94
25) Chloroform	5.095	83	64421	4.980	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	42513	5.151	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	53313	5.092	ug/L	99
30) Cyclohexane	5.394	56	47988	4.622	ug/L	98
31) Carbon tetrachloride	5.530	117	43922	4.989	ug/L	100
33) Benzene	5.777	78	131161	4.878	ug/L	100
34) Trichloroethene	6.546	95	33859	4.886	ug/L	97
35) Methylcyclohexane	6.767	83	51102	4.802	ug/L	98
37) 1,2-Dichloropropane	6.793	63	35376	4.999	ug/L	99
38) Bromodichloromethane	7.108	83	45214	5.178	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	52639	5.235	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	278031	59.901	ug/L	98
42) Toluene	7.973	91	144488	5.206	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	47531	5.433	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	29678	5.649	ug/L	97
47) Tetrachloroethene	8.555	164	25475	5.251	ug/L	98
48) 2-Hexanone	8.690	43	212194	63.282	ug/L	96
49) Dibromochloromethane	8.812	129	33187	5.546	ug/L	99
50) 1,2-Dibromoethane	8.928	107	29143	5.888	ug/L	99
51) Chlorobenzene	9.449	112	93111	5.348	ug/L	98
52) Ethylbenzene	9.574	91	155047	5.337	ug/L	99
53) m,p-Xylene	9.697	106	60553	5.441	ug/L	96
54) o-Xylene	10.105	106	58896	5.484	ug/L	96
55) Styrene	10.118	104	101991	5.641	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	38108	5.664	ug/L	95
59) Bromoform	10.295	173	19032	5.708	ug/L	100
60) Isopropylbenzene	10.488	105	157279	5.322	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	29489	5.643	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	128459	5.316	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	129267	5.339	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	73258	5.314	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	72930	5.207	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	72518	5.486	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	5349	4.920	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	54218	5.257	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	47380	5.429	ug/L	98
71) Naphthalene	14.085	128	101319	5.651	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	46249	5.326	ug/L	99

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

