

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031723\
 Data File : VV030229.D
 Acq On : 17 Mar 2023 10:41
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005306

Quant Time: Mar 17 22:45:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 05:46:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	136967	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	122641	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	70636	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	37071	4.183	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.536	69	33208	3.992	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.066	63	77658	4.262	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.200%
20) 2-Butanone-d5	3.812	46	83680	51.213	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.420%
24) Chloroform-d	4.259	84	78614	4.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	4.950	65	37539	5.079	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	4.969	84	139387	4.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	5.995	67	41783	4.209	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.200%
41) Toluene-d8	7.249	98	133701	4.274	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	7.558	79	16914	4.980	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.034	63	62854	44.729	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.460%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	30616	4.335	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	49287	4.124	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	48445	4.347	ug/L	97
3) Chloromethane	1.217	50	65462	3.728	ug/L	99
5) Vinyl chloride	1.285	62	49087	4.206	ug/L	97
6) Bromomethane	1.491	94	12978	6.195	ug/L	92
8) Chloroethane	1.555	64	30341	4.267	ug/L	98
9) Trichlorofluoromethane	1.719	101	78512	4.689	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	43929	4.230	ug/L	95
12) 1,1-Dichloroethene	2.076	96	37693	4.101	ug/L	90
13) Acetone	2.143	43	71786	59.441	ug/L	64
14) Carbon disulfide	2.246	76	89136	3.624	ug/L	99
15) Methyl Acetate	2.391	43	12570	4.457	ug/L	96
16) Methylene chloride	2.452	84	45341	4.038	ug/L	88
17) Methyl tert-butyl Ether	2.709	73	84189	4.684	ug/L #	92
18) trans-1,2-Dichloroethene	2.699	96	36312	4.153	ug/L	94
19) 1,1-Dichloroethane	3.117	63	78123	4.796	ug/L	98
21) 2-Butanone	3.896	43	90362	55.635	ug/L	89
22) cis-1,2-Dichloroethene	3.822	96	41669	4.311	ug/L	89
23) Bromochloromethane	4.156	128	18131	4.390	ug/L	92
25) Chloroform	4.285	83	81552	4.813	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	48657	5.490	ug/L	95
29) 1,1,1-Trichloroethane	4.519	97	75068	5.211	ug/L	97
30) Cyclohexane	4.590	56	55982	4.497	ug/L	92
31) Carbon tetrachloride	4.744	117	64634	4.991	ug/L	98
33) Benzene	5.018	78	157210	4.694	ug/L	100
34) Trichloroethene	5.841	95	41862	4.460	ug/L	98
35) Methylcyclohexane	6.056	83	59234	4.170	ug/L	92
37) 1,2-Dichloropropane	6.101	63	40691	4.775	ug/L	98
38) Bromodichloromethane	6.439	83	56631	5.206	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	57843	4.637	ug/L	99
40) 4-Methyl-2-pentanone	7.166	43	223922	63.683	ug/L	90
42) Toluene	7.323	91	173598	4.785	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	47519	4.880	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	27741	4.550	ug/L	97
47) Tetrachloroethene	7.911	164	34505	4.283	ug/L	94
48) 2-Hexanone	8.085	43	155359	61.718	ug/L	92
49) Dibromochloromethane	8.185	129	34369	4.817	ug/L	98
50) 1,2-Dibromoethane	8.291	107	25034	4.401	ug/L	100
51) Chlorobenzene	8.821	112	107060	4.376	ug/L	97
52) Ethylbenzene	8.953	91	183091	4.638	ug/L	99
53) m,p-Xylene	9.079	106	70169	4.624	ug/L	100
54) o-Xylene	9.487	106	66068	4.558	ug/L	92
55) Styrene	9.503	104	119826	4.971	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	32488	4.763	ug/L	99
59) Bromoform	9.673	173	20805	4.914	ug/L	99
60) Isopropylbenzene	9.873	105	191231	4.705	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	22275	4.712	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	154780	4.636	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	162618	4.762	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	98607	4.660	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	97815	4.581	ug/L	97
67) 1,2-Dichlorobenzene	11.587	146	89176	4.772	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	5152	4.879	ug/L	90
69) 1,3,5-Trichlorobenzene	12.593	180	77178	4.436	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	61630	4.373	ug/L	97
71) Naphthalene	13.448	128	83752	4.548	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	50750	4.374	ug/L	99

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

