

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102023\
 Data File : VV032535.D
 Acq On : 20 Oct 2023 19:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005292

Quant Time: Oct 20 23:09:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 20 23:03:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	85553	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	95524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	51561	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	32571	4.681	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	93.600%	
7) Chloroethane-d5	1.532	69	29584	5.238	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	104.800%	
11) 1,1-Dichloroethene-d2	2.060	65	13089	4.461	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	89.200%	
20) 2-Butanone-d5	3.815	46	97554	55.424	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	110.840%	
24) Chloroform-d	4.252	84	65503	5.337	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	106.800%	
26) 1,2-Dichloroethane-d4	4.950	65	33129	5.698	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	114.000%	
32) Benzene-d6	4.963	84	118983	4.233	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.600%	
36) 1,2-Dichloropropane-d6	5.995	67	37751	4.054	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	81.000%	
41) Toluene-d8	7.246	98	114173	4.442	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	88.800%	
43) trans-1,3-Dichloroprop...	7.558	79	14724	4.462	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	89.200%	
46) 2-Hexanone-d5	8.030	63	84338	54.318	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	108.640%	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	35059	5.382	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	107.600%	
66) 1,2-Dichlorobenzene-d4	11.564	152	42399	4.431	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	88.600%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	50219	5.268	ug/L	99
3) Chloromethane	1.217	50	53135	5.529	ug/L	99
5) Vinyl chloride	1.281	62	51856	5.657	ug/L	100
6) Bromomethane	1.487	94	29112	5.257	ug/L	96
8) Chloroethane	1.552	64	32620	5.911	ug/L	99
9) Trichlorofluoromethane	1.716	101	67634	6.153	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	38728	5.814	ug/L	99
12) 1,1-Dichloroethene	2.069	96	36945	5.888	ug/L	93
13) Acetone	2.143	43	70167	51.722	ug/L	93
14) Carbon disulfide	2.243	76	100875	4.599	ug/L	100
15) Methyl Acetate	2.388	43	16165	5.293	ug/L	98
16) Methylene chloride	2.449	84	43613	5.331	ug/L	92
17) Methyl tert-butyl Ether	2.709	73	92869	5.437	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	36454	5.072	ug/L	97
19) 1,1-Dichloroethane	3.114	63	76281	5.642	ug/L	100
21) 2-Butanone	3.899	43	111574	52.593	ug/L	99
22) cis-1,2-Dichloroethene	3.818	96	39528	5.108	ug/L	94
23) Bromochloromethane	4.153	128	18856	5.792	ug/L	97
25) Chloroform	4.281	83	78579	5.924	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	48655	6.209	ug/L	100
29) 1,1,1-Trichloroethane	4.516	97	64478	4.965	ug/L	97
30) Cyclohexane	4.587	56	55449	3.885	ug/L	97
31) Carbon tetrachloride	4.741	117	53493	4.868	ug/L	100
33) Benzene	5.014	78	163509	4.862	ug/L	100
34) Trichloroethene	5.838	95	41352	4.504	ug/L	95
35) Methylcyclohexane	6.053	83	57303	4.033	ug/L	98
37) 1,2-Dichloropropane	6.095	63	43149	4.797	ug/L	98
38) Bromodichloromethane	6.436	83	58433	5.468	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	59091	4.617	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	288292	50.650	ug/L	97
42) Toluene	7.317	91	182377	5.087	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	49810	4.735	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	32313	5.093	ug/L	96
47) Tetrachloroethene	7.908	164	33331	4.787	ug/L	98
48) 2-Hexanone	8.082	43	207893	51.768	ug/L	98
49) Dibromochloromethane	8.178	129	35504	5.375	ug/L	92
50) 1,2-Dibromoethane	8.288	107	30615	5.102	ug/L	98
51) Chlorobenzene	8.818	112	114055	4.941	ug/L	99
52) Ethylbenzene	8.950	91	192906	4.832	ug/L	100
53) m,p-Xylene	9.075	106	74088	5.004	ug/L	97
54) o-Xylene	9.480	106	69102	4.843	ug/L	96
55) Styrene	9.500	104	122002	5.063	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	39106	5.602	ug/L	99
59) Bromoform	9.667	173	18925	5.047	ug/L	99
60) Isopropylbenzene	9.870	105	188074	4.693	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	28070	5.115	ug/L	99
62) 1,3,5-Trimethylbenzene	10.480	105	142638	4.367	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	145464	4.474	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	91153	4.762	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	90807	4.728	ug/L	97
67) 1,2-Dichlorobenzene	11.583	146	83959	4.809	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	5741	5.120	ug/L	89
69) 1,3,5-Trichlorobenzene	12.586	180	61510	4.388	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	50511	4.062	ug/L	97
71) Naphthalene	13.442	128	82861	3.923	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	47300	4.415	ug/L	99

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

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