

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW021425\
 Data File : VW038688.D
 Acq On : 14 Feb 2025 09:29
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005346

Quant Time: Feb 17 10:26:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020625WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Feb 14 14:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	114047	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	122319	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	62784	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	46241	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.532	69	38648	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.056	65	20186	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	3.789	46	110047	53.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.48%
24) Chloroform-d	4.240	84	91335	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	4.937	65	43405	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	4.950	84	160575	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	5.982	67	48747	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.233	98	147144	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloroprop...	7.551	79	19079	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.018	63	86422	57.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.62%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	47848	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
66) 1,2-Dichlorobenzene-d4	11.551	152	49971	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.108	85	73261	5.41	ug/L 99
3) Chloromethane	1.214	50	63366	4.99	ug/L 99
5) Vinyl chloride	1.281	62	67804	5.04	ug/L 99
6) Bromomethane	1.487	94	26465	4.56	ug/L 96
8) Chloroethane	1.548	64	40414	4.85	ug/L 99
9) Trichlorofluoromethane	1.712	101	96698	5.38	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	57537	5.76	ug/L 98
12) 1,1-Dichloroethene	2.066	96	51478	5.30	ug/L 94
13) Acetone	2.121	43	88205	58.65	ug/L 96
14) Carbon disulfide	2.236	76	164941	5.16	ug/L 98
15) Methyl Acetate	2.378	43	22987	5.94	ug/L 99
16) Methylene chloride	2.442	84	56524	5.12	ug/L 94
17) Methyl tert-butyl Ether	2.696	73	111603	5.62	ug/L 99
18) trans-1,2-Dichloroethene	2.690	96	51326	5.28	ug/L 93
19) 1,1-Dichloroethane	3.105	63	101464	5.43	ug/L 99
21) 2-Butanone	3.870	43	125281	55.50	ug/L 99
22) cis-1,2-Dichloroethene	3.805	96	51685	5.16	ug/L 95
23) Bromochloromethane	4.140	128	25678	5.39	ug/L 96
25) Chloroform	4.265	83	102281	5.47	ug/L 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	61323	5.58	ug/L	98
29) 1,1,1-Trichloroethane	4.503	97	86230	5.00	ug/L	98
30) Cyclohexane	4.571	56	78614	5.28	ug/L	98
31) Carbon tetrachloride	4.725	117	76616	5.09	ug/L	98
33) Benzene	4.998	78	211835	5.47	ug/L	100
34) Trichloroethene	5.828	95	53434	5.37	ug/L	98
35) Methylcyclohexane	6.040	83	79171	5.06	ug/L	98
37) 1,2-Dichloropropane	6.085	63	55676	5.69	ug/L	99
38) Bromodichloromethane	6.426	83	71374	5.31	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	69073	5.18	ug/L	94
40) 4-Methyl-2-pentanone	7.146	43	326402	63.51	ug/L	99
42) Toluene	7.307	91	227964	5.54	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	61029	5.45	ug/L	98
45) 1,1,2-Trichloroethane	7.760	97	43956	5.74	ug/L	96
47) Tetrachloroethene	7.895	164	42445	5.49	ug/L	98
48) 2-Hexanone	8.069	43	236799	62.44	ug/L	98
49) Dibromochloromethane	8.165	129	46386	5.46	ug/L	98
50) 1,2-Dibromoethane	8.275	107	40999	5.79	ug/L #	95
51) Chlorobenzene	8.805	112	141287	5.23	ug/L	99
52) Ethylbenzene	8.937	91	223935	5.13	ug/L	99
53) m,p-Xylene	9.066	106	83951	5.22	ug/L	96
54) o-Xylene	9.471	106	80319	5.12	ug/L	98
55) Styrene	9.490	104	145338	5.48	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.169	83	55678	5.91	ug/L	99
59) Bromoform	9.657	173	23412	5.58	ug/L	96
60) Isopropylbenzene	9.857	105	222219	5.37	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	37737	5.84	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	158589	4.87	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	160860	4.97	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	110523	5.35	ug/L	98
65) 1,4-Dichlorobenzene	11.201	146	111196	5.29	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	103144	5.32	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.355	75	7278	5.53	ug/L	99
69) 1,3,5-Trichlorobenzene	12.574	180	68117	5.02	ug/L	97
70) 1,2,4-trichlorobenzene	13.188	180	52979	5.17	ug/L	99
71) Naphthalene	13.435	128	73393	4.47	ug/L	98
72) 1,2,3-Trichlorobenzene	13.670	180	47865	5.04	ug/L	99

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

