

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031325\
 Data File : VV038702.D
 Acq On : 13 Mar 2025 13:36
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 13 14:51:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 13 13:15:04 2025
 Response via : Initial Calibration

Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene		5.529	114	173510	5.00	ug/L	0.00
28) Chlorobenzene-d5		8.776	117	184050	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.178	152	96272	5.00	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.275	65	58022	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%	
7) Chloroethane-d5		1.529	69	56484	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%	
11) 1,1-Dichloroethene-d2		2.053	65	30052	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.60%	
20) 2-Butanone-d5		3.790	46	160236	57.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.80%	
24) Chloroform-d		4.240	84	144393	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%	
26) 1,2-Dichloroethane-d4		4.937	65	66589	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%	
32) Benzene-d6		4.950	84	271026	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%	
36) 1,2-Dichloropropane-d6		5.982	67	81993	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%	
41) Toluene-d8		7.236	98	247648	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%	
43) trans-1,3-Dichloroprop...		7.551	79	27297	6.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.80%	
46) 2-Hexanone-d5		8.018	63	129370	59.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.60%	
56) 1,1,2,2-Tetrachloroeth...		10.143	84	70593	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%	
66) 1,2-Dichlorobenzene-d4		11.551	152	86175	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%	
Target Compounds							
2) Dichlorodifluoromethane		1.105	85	93888	5.22	ug/L	99
3) Chloromethane		1.214	50	88346	5.22	ug/L	99
5) Vinyl chloride		1.282	62	94670	5.37	ug/L	95
6) Bromomethane		1.484	94	44826	5.37	ug/L	97
8) Chloroethane		1.545	64	57355	4.95	ug/L	97
9) Trichlorofluoromethane		1.709	101	132141	5.23	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...		2.063	101	77449	5.29	ug/L	99
12) 1,1-Dichloroethene		2.063	96	69514	5.24	ug/L	98
13) Acetone		2.121	43	146805	63.50	ug/L	99
14) Carbon disulfide		2.233	76	224739	5.36	ug/L	98
15) Methyl Acetate		2.378	43	28476	5.42	ug/L	99
16) Methylene chloride		2.442	84	78223	5.12	ug/L	98
17) Methyl tert-butyl Ether		2.700	73	154250	5.52	ug/L	99
18) trans-1,2-Dichloroethene		2.687	96	71451	5.38	ug/L	93
19) 1,1-Dichloroethane		3.105	63	144151	5.45	ug/L	98
21) 2-Butanone		3.867	43	186397	63.68	ug/L	97
22) cis-1,2-Dichloroethene		3.806	96	75767	5.46	ug/L	93
23) Bromochloromethane		4.140	128	36288	5.40	ug/L	97
25) Chloroform		4.265	83	145745	5.38	ug/L	97

Client Sample :
 MSVOA_V
 Instrument :

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	82590	5.52	ug/L	99
29) 1,1,1-Trichloroethane	4.500	97	127267	5.54	ug/L	100
30) Cyclohexane	4.571	56	108567	5.76	ug/L	99
31) Carbon tetrachloride	4.725	117	109547	5.26	ug/L	100
33) Benzene	5.002	78	302862	5.77	ug/L	100
34) Trichloroethene	5.828	95	78294	5.51	ug/L	95
35) Methylcyclohexane	6.040	83	115063	5.59	ug/L	98
37) 1,2-Dichloropropane	6.085	63	77138	5.44	ug/L	99
38) Bromodichloromethane	6.426	83	99964	5.34	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	105515	5.69	ug/L	98
40) 4-Methyl-2-pentanone	7.146	43	428067	60.31	ug/L	99
42) Toluene	7.307	91	326084	6.01	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	90287	5.78	ug/L	95
45) 1,1,2-Trichloroethane	7.764	97	60092	5.66	ug/L	98
47) Tetrachloroethene	7.895	164	58903	5.44	ug/L	93
48) 2-Hexanone	8.066	43	336370	66.25	ug/L	98
49) Dibromochloromethane	8.166	129	65065	5.53	ug/L	100
50) 1,2-Dibromoethane	8.275	107	53866	5.68	ug/L #	92
51) Chlorobenzene	8.805	112	205196	5.55	ug/L	98
52) Ethylbenzene	8.937	91	330343	5.58	ug/L	99
53) m,p-Xylene	9.066	106	130035	5.84	ug/L	93
54) o-Xylene	9.471	106	120939	5.84	ug/L	99
55) Styrene	9.490	104	221330	6.20	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	70211	5.58	ug/L	99
59) Bromoform	9.657	173	32756	5.15	ug/L	99
60) Isopropylbenzene	9.860	105	332207	5.77	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	47023	5.53	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	242742	5.43	ug/L	97
63) 1,2,4-Trimethylbenzene	10.844	105	248245	5.70	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	163094	5.58	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	167941	5.62	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	150220	5.52	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.358	75	10921	AICAS40 Client Sample : MSVOA_V Instrument :		
69) 1,3,5-Trichlorobenzene	12.574	180	109436			
70) 1,2,4-trichlorobenzene	13.191	180	83412			
71) Naphthalene	13.432	128	125218	5.82	ug/L	98
72) 1,2,3-Trichlorobenzene	13.670	180	76854	5.60	ug/L	99

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

