

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050224\
 Data File : VV035511.D
 Acq On : 02 May 2024 10:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050348

Quant Time: May 03 05:11:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 01:07:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	469943	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	475595	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	258262	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	168193	46.417	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.840%
7) Chloroethane-d5	1.532	69	144086	53.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.920%
11) 1,1-Dichloroethene-d2	2.056	65	72464	46.587	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.180%
21) 2-Butanone-d5	3.793	46	246271	100.704	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.700%
24) Chloroform-d	4.243	84	336157	50.577	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.160%
26) 1,2-Dichloroethane-d4	4.937	65	199445	50.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.900%
32) Benzene-d6	4.957	84	648602	48.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.900%
36) 1,2-Dichloropropane-d6	5.986	67	200517	48.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.080%
41) Toluene-d8	7.240	98	604601	49.618	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.240%
43) trans-1,3-Dichloroprop...	7.551	79	90433	44.454	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.900%
47) 2-Hexanone-d5	8.021	63	191455	99.815	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.820%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	315549	49.613	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.220%
66) 1,2-Dichlorobenzene-d4	11.558	152	237185	46.225	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.460%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.105	85	155266	49.318	ug/L	99
3) Chloromethane	1.214	50	165698	48.583	ug/L	96
5) Vinyl chloride	1.282	62	178377	49.663	ug/L	98
6) Bromomethane	1.487	94	115848	50.728	ug/L	99
8) Chloroethane	1.548	64	120609	58.403	ug/L	99
9) Trichlorofluoromethane	1.709	101	247579	51.236	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	152351	49.742	ug/L	99
12) 1,1-Dichloroethene	2.066	96	139642	51.041	ug/L	90
13) Acetone	2.127	43	191314	84.503	ug/L	97
14) Carbon disulfide	2.236	76	352390	49.031	ug/L	99
15) Methyl Acetate	2.375	43	191555	52.159	ug/L	99
16) Methylene chloride	2.442	84	180840	52.167	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	148761	51.443	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	534739	52.581	ug/L	100
19) 1,1-Dichloroethane	3.108	63	315022	51.880	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	177374	51.572	ug/L	100
22) 2-Butanone	3.873	43	263299	98.241	ug/L	100
23) Bromochloromethane	4.143	128	100419	53.386	ug/L	97
25) Chloroform	4.272	83	333585	53.225	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	242014	53.955	ug/L	99
29) Cyclohexane	4.580	56	199693	47.028	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	277518	50.987	ug/L	98
31) Carbon tetrachloride	4.732	117	237703	50.509	ug/L	99
33) Benzene	5.005	78	655763	51.060	ug/L	100
34) Trichloroethene	5.831	95	168842	49.403	ug/L	98
35) Methylcyclohexane	6.047	83	225486	46.768	ug/L	98
37) 1,2-Dichloropropane	6.088	63	184849	52.386	ug/L	98
38) Bromodichloromethane	6.429	83	250840	51.671	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	261136	47.143	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	509085	108.082	ug/L	99
42) Toluene	7.310	91	704201	52.266	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	257440	48.929	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	199135	52.767	ug/L	98
46) Tetrachloroethene	7.902	164	135462	49.073	ug/L	100
48) 2-Hexanone	8.072	43	408960	106.711	ug/L	99
49) Dibromochloromethane	8.172	129	205311	51.973	ug/L	100
50) 1,2-Dibromoethane	8.278	107	206188	52.295	ug/L	99
51) Chlorobenzene	8.812	112	470395	50.293	ug/L	99
52) Ethylbenzene	8.944	91	749032	51.459	ug/L	99
53) m,p-Xylene	9.069	106	288644	53.454	ug/L	98
54) o-Xylene	9.474	106	282930	51.998	ug/L	99
55) Styrene	9.493	104	523358	55.652	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	332570	51.505	ug/L	99
59) Bromoform	9.661	173	168326	50.390	ug/L	100
60) Isopropylbenzene	9.863	105	763186	51.173	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	259876	50.157	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	609854	51.094	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	626228	52.322	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	387659	50.197	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	404646	49.657	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	406059	50.257	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	78577	51.496	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	290944	49.634	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	257319	49.831	ug/L	99
71) Naphthalene	13.435	128	733143	50.656	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	280974	52.420	ug/L	100

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

