

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020323\
 Data File : VX034005.D
 Acq On : 03 Feb 2023 11:32
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050617

Quant Time: Feb 04 03:20:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 04 03:17:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	200779	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	179815	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	98452	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	55424	41.449	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.900%
7) Chloroethane-d5	1.666	69	38834	47.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.680%
11) 1,1-Dichloroethene-d2	2.307	63	112559	45.940	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.880%
21) 2-Butanone-d5	4.452	46	87274	113.839	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.840%
24) Chloroform-d	5.056	84	124047	51.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.440%
26) 1,2-Dichloroethane-d4	5.952	65	76847	53.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.200%
32) Benzene-d6	5.971	84	248901	48.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.580%
36) 1,2-Dichloropropane-d6	7.306	67	76975	50.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.020%
41) Toluene-d8	8.647	98	231641	47.374	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.740%
43) trans-1,3-Dichloroprop...	8.946	79	36036	52.109	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.220%
47) 2-Hexanone-d5	9.385	63	65026	113.790	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.790%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	104087	54.472	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.940%
66) 1,2-Dichlorobenzene-d4	12.317	152	102319	51.923	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	69794	46.724	ug/L	100
3) Chloromethane	1.295	50	66328	48.648	ug/L	99
5) Vinyl chloride	1.374	62	63153	45.806	ug/L	98
6) Bromomethane	1.612	94	35139	49.150	ug/L	99
8) Chloroethane	1.691	64	35883	48.959	ug/L	100
9) Trichlorofluoromethane	1.892	101	93483	47.839	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	65729	48.640	ug/L	98
12) 1,1-Dichloroethene	2.319	96	60811	49.193	ug/L	90
13) Acetone	2.380	43	64614	81.922	ug/L	99
14) Carbon disulfide	2.514	76	161526	48.277	ug/L	100
15) Methyl Acetate	2.703	43	70829	56.367	ug/L	99
16) Methylene chloride	2.788	84	69936	53.424	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	64764	50.752	ug/L	99
18) Methyl tert-butyl Ether	3.111	73	210910	56.765	ug/L	100
19) 1,1-Dichloroethane	3.605	63	119559	53.684	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	79335	54.401	ug/L	98
22) 2-Butanone	4.550	43	99542	101.577	ug/L	99
23) Bromochloromethane	4.898	128	44141	55.137	ug/L	97
25) Chloroform	5.093	83	126838	55.151	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	101119	57.287	ug/L	95
29) Cyclohexane	5.471	56	102637	46.668	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	100577	49.487	ug/L	99
31) Carbon tetrachloride	5.678	117	91602	48.445	ug/L	99
33) Benzene	6.038	78	272850	51.028	ug/L	100
34) Trichloroethene	7.123	95	73280	50.568	ug/L	99
35) Methylcyclohexane	7.379	83	111257	48.148	ug/L	99
37) 1,2-Dichloropropane	7.428	63	70669	51.891	ug/L	99
38) Bromodichloromethane	7.818	83	93094	53.759	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	112251	53.700	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	189381	113.000	ug/L	99
42) Toluene	8.714	91	294256	51.445	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	102032	54.854	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	76728	55.657	ug/L	98
46) Tetrachloroethene	9.275	164	67771	48.709	ug/L	97
48) 2-Hexanone	9.427	43	138211	103.482	ug/L	99
49) Dibromochloromethane	9.519	129	82549	55.497	ug/L	97
50) 1,2-Dibromoethane	9.604	107	82266	55.530	ug/L	100
51) Chlorobenzene	10.080	112	202483	52.399	ug/L	98
52) Ethylbenzene	10.195	91	324197	51.575	ug/L	100
53) m,p-Xylene	10.299	106	130910	51.882	ug/L	98
54) o-Xylene	10.640	106	127442	52.280	ug/L	95
55) Styrene	10.653	104	220846	54.003	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	110411	56.970	ug/L	99
59) Bromoform	10.799	173	67999	56.753	ug/L	99
60) Isopropylbenzene	10.964	105	333148	51.796	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	82412	55.139	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	281256	53.423	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	280774	54.107	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	168696	52.746	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	169624	52.404	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	166287	53.172	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	21124	57.687	ug/L	98
69) 1,3,5-Trichlorobenzene	13.116	180	128796	53.399	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	117878	53.836	ug/L	99
71) Naphthalene	13.774	128	345461	56.990	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	115462	53.418	ug/L	99

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

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