

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122222\
 Data File : VX033538.D
 Acq On : 22 Dec 2022 11:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050610

Quant Time: Dec 23 04:59:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 23 04:40:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	220330	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	202579	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	101734	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	340	0.290	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	0.580%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	2.319	63	24139	12.900	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	25.800%#
21) 2-Butanone-d5	4.690	46	182	0.214	ug/L	0.23
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.210%#
24) Chloroform-d	5.086	84	5502	1.894	ug/L	0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	=	3.780%#
26) 1,2-Dichloroethane-d4	5.952	65	39425	21.884	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	43.760%#
32) Benzene-d6	5.958	84	42	0.007	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.020%#
36) 1,2-Dichloropropane-d6	7.379	67	7811	4.621	ug/L	0.07
Spiked Amount	50.000	Range	70 - 120	Recovery	=	9.240%#
41) Toluene-d8	8.647	98	103025	18.348	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	36.700%#
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.000%#
47) 2-Hexanone-d5	9.415	63	372	0.537	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.540%#
56) 1,1,2,2-Tetrachloroeth...	11.213	84	2019	0.871	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	1.740%#
66) 1,2-Dichlorobenzene-d4	12.024	152	101734	48.207	ug/L	-0.29
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.420%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	46043	86.582	ug/L	100
3) Chloromethane	1.294	50	47466	71.091	ug/L	99
5) Vinyl chloride	1.374	62	55729	63.166	ug/L	94
6) Bromomethane	1.617	94	34112	64.991	ug/L	99
8) Chloroethane	1.691	64	38883	66.244	ug/L	93
9) Trichlorofluoromethane	1.886	101	82130	56.248	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	54968	59.168	ug/L	97
12) 1,1-Dichloroethene	2.319	96	48294	57.810	ug/L #	58
13) Acetone	2.386	43	165140	301.968	ug/L	95
14) Carbon disulfide	2.514	76	139360	54.822	ug/L	99
15) Methyl Acetate	2.703	43	101024	92.393	ug/L	100
16) Methylene chloride	2.788	84	68790	55.005	ug/L	97
17) trans-1,2-Dichloroethene	3.087	96	68095	55.030	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	233431	59.521	ug/L	98
19) 1,1-Dichloroethane	3.605	63	123505	57.506	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	85318	58.829	ug/L	96
22) 2-Butanone	4.556	43	236435	262.519	ug/L	99
23) Bromochloromethane	4.897	128	34621	44.596	ug/L #	92
25) Chloroform	5.092	83	141130	56.553	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	107156	56.291	ug/L	100
29) Cyclohexane	5.470	56	100391	50.707	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	126909	53.868	ug/L	99
31) Carbon tetrachloride	5.672	117	112152	53.641	ug/L	99
33) Benzene	6.037	78	282801	52.529	ug/L	100
34) Trichloroethene	7.123	95	80134	53.379	ug/L	99
35) Methylcyclohexane	7.379	83	113426	51.554	ug/L	99
37) 1,2-Dichloropropane	7.427	63	73213	55.146	ug/L	99
38) Bromodichloromethane	7.818	83	112331	57.333	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	125276	58.076	ug/L	100
40) 4-Methyl-2-pentanone	8.574	43	464484	282.502	ug/L	98
42) Toluene	8.714	91	329532	54.155	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	115241	56.901	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	83310	57.970	ug/L	99
46) Tetrachloroethene	9.275	164	72401	57.142	ug/L	98
48) 2-Hexanone	9.433	43	344766	264.009	ug/L	97
49) Dibromochloromethane	9.518	129	95976	57.188	ug/L	97
50) 1,2-Dibromoethane	9.610	107	87726	56.549	ug/L	98
51) Chlorobenzene	10.079	112	218379	54.083	ug/L	97
52) Ethylbenzene	10.195	91	377130	56.573	ug/L	99
53) m,p-Xylene	10.299	106	298009	112.080	ug/L	100
54) o-Xylene	10.640	106	146315	56.265	ug/L	98
55) Styrene	10.652	104	245504	56.018	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	118213	56.253	ug/L	99
59) Bromoform	10.799	173	70918	59.866	ug/L	99
60) Isopropylbenzene	10.963	105	387938	57.670	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	127819	79.769	ug/L #	90
62) 1,3,5-Trimethylbenzene	11.451	105	324438	56.776	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	317742	56.556	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	181568	59.093	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	180206	57.980	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	174633	57.593	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.945	75	24973	57.974	ug/L	98
69) 1,3,5-Trichlorobenzene	13.591	180	113081	55.003	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	113081	60.725	ug/L	100
71) Naphthalene	13.774	128	373231	61.344	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	112216	60.385	ug/L	100

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

