

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020425\
 Data File : VX044828.D
 Acq On : 04 Feb 2025 09:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050824

Quant Time: Feb 05 08:33:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 03 07:31:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	247190	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	211522	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	94293	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	84336	45.325	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.640%
7) Chloroethane-d5	1.642	69	32349	45.764	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.520%
11) 1,1-Dichloroethene-d2	2.294	65	38521	48.433	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.860%
21) 2-Butanone-d5	4.452	46	100097	125.836	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.840%
24) Chloroform-d	5.050	84	164403	50.282	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.560%
26) 1,2-Dichloroethane-d4	5.946	65	97736	49.800	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.600%
32) Benzene-d6	5.964	84	325698	49.245	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.500%
36) 1,2-Dichloropropane-d6	7.300	67	105450	50.372	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.740%
41) Toluene-d8	8.641	98	284743	48.644	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.280%
43) trans-1,3-Dichloroprop...	8.946	79	48868	49.213	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.420%
47) 2-Hexanone-d5	9.385	63	63697	102.811	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.810%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	137748	52.951	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.900%
66) 1,2-Dichlorobenzene-d4	12.317	152	93869	50.878	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.760%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	96951	54.841	ug/L	92
3) Chloromethane	1.307	50	105914	48.591	ug/L	99
5) Vinyl chloride	1.374	62	104733	52.320	ug/L	100
6) Bromomethane	1.593	94	29842	55.080	ug/L	97
8) Chloroethane	1.666	64	45914	57.446	ug/L	100
9) Trichlorofluoromethane	1.874	101	142001	63.625	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	91365	55.648	ug/L	98
12) 1,1-Dichloroethene	2.307	96	83637	54.591	ug/L	86
13) Acetone	2.380	43	83601	105.395	ug/L	99
14) Carbon disulfide	2.502	76	235700	50.239	ug/L	100
15) Methyl Acetate	2.703	43	105105	57.261	ug/L	97
16) Methylene chloride	2.782	84	93939	53.609	ug/L	98
17) trans-1,2-Dichloroethene	3.081	96	86964	54.262	ug/L	96
18) Methyl tert-butyl Ether	3.111	73	299940	54.283	ug/L	98
19) 1,1-Dichloroethane	3.599	63	172587	55.075	ug/L	99
20) cis-1,2-Dichloroethene	4.477	96	101702	53.013	ug/L	98
22) 2-Butanone	4.550	43	138716	106.054	ug/L	100
23) Bromochloromethane	4.891	128	49316	52.123	ug/L	96
25) Chloroform	5.080	83	168175	52.895	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	128654	53.936	ug/L	100
29) Cyclohexane	5.458	56	175445	54.032	ug/L	97
30) 1,1,1-Trichloroethane	5.373	97	142658	53.307	ug/L	100
31) Carbon tetrachloride	5.672	117	120790	52.632	ug/L	100
33) Benzene	6.031	78	379674	54.466	ug/L	100
34) Trichloroethene	7.117	95	94600	53.328	ug/L	99
35) Methylcyclohexane	7.373	83	163996	54.039	ug/L	100
37) 1,2-Dichloropropane	7.421	63	100424	53.261	ug/L	100
38) Bromodichloromethane	7.818	83	125279	52.940	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	162226	52.995	ug/L	98
40) 4-Methyl-2-pentanone	8.568	43	281270	112.844	ug/L	97
42) Toluene	8.714	91	389662	54.484	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	145129	52.959	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	94897	53.920	ug/L	98
46) Tetrachloroethene	9.269	164	66521	52.807	ug/L	99
48) 2-Hexanone	9.427	43	203516	113.948	ug/L	98
49) Dibromochloromethane	9.519	129	92579	52.159	ug/L	100
50) 1,2-Dibromoethane	9.604	107	96622	52.381	ug/L	98
51) Chlorobenzene	10.073	112	240459	53.857	ug/L	99
52) Ethylbenzene	10.189	91	425015	54.367	ug/L	100
53) m,p-Xylene	10.299	106	158777	54.100	ug/L	98
54) o-Xylene	10.640	106	156504	54.100	ug/L	98
55) Styrene	10.653	104	263090	55.103	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.207	83	146816	53.766	ug/L	99
59) Bromoform	10.799	173	62938	50.458	ug/L	99
60) Isopropylbenzene	10.957	105	407935	53.868	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	109374	52.539	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	334935	53.913	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	333391	54.182	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	166437	53.464	ug/L	99
65) 1,4-Dichlorobenzene	12.036	146	166022	53.577	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	165490	53.618	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.939	75	28766	50.712	ug/L	95
69) 1,3,5-Trichlorobenzene	13.109	180	109850	53.850	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	100013	54.382	ug/L	98
71) Naphthalene	13.774	128	387380	54.313	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	101995	54.693	ug/L	98

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

