

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121823\
 Data File : VX039322.D
 Acq On : 18 Dec 2023 19:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050708

Quant Time: Dec 18 21:49:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 18 21:43:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	226781	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	212710	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	102801	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	71612	40.260	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.520%
7) Chloroethane-d5	1.666	69	54907	41.762	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.520%
11) 1,1-Dichloroethene-d2	2.306	65	38080	48.770	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.540%
21) 2-Butanone-d5	4.452	46	176267	109.475	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.470%
24) Chloroform-d	5.056	84	161374	51.249	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.500%
26) 1,2-Dichloroethane-d4	5.952	65	109095	53.498	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.000%
32) Benzene-d6	5.977	84	319651	48.693	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.380%
36) 1,2-Dichloropropane-d6	7.306	67	103120	48.811	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.620%
41) Toluene-d8	8.647	98	286543	48.166	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.340%
43) trans-1,3-Dichloroprop...	8.952	79	49896	46.411	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.820%
47) 2-Hexanone-d5	9.384	63	128776	102.057	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.060%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	151137	50.430	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.860%
66) 1,2-Dichlorobenzene-d4	12.317	152	97533	50.194	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	95239	52.661	ug/L	99
3) Chloromethane	1.294	50	95793	50.676	ug/L	100
5) Vinyl chloride	1.374	62	90402	48.524	ug/L	100
6) Bromomethane	1.605	94	51926	51.637	ug/L	98
8) Chloroethane	1.685	64	50834	48.263	ug/L	99
9) Trichlorofluoromethane	1.886	101	127679	52.879	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	85690	55.171	ug/L	98
12) 1,1-Dichloroethene	2.319	96	78439	53.690	ug/L	92
13) Acetone	2.380	43	146558	94.750	ug/L	97
14) Carbon disulfide	2.514	76	227167	48.864	ug/L	98
15) Methyl Acetate	2.703	43	128894	58.299	ug/L	99
16) Methylene chloride	2.788	84	91151	54.304	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	80797	52.489	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	292514	54.593	ug/L	98
19) 1,1-Dichloroethane	3.611	63	164063	53.903	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	95061	53.243	ug/L	95
22) 2-Butanone	4.556	43	197950	104.277	ug/L	99
23) Bromochloromethane	4.904	128	43337	51.635	ug/L	98
25) Chloroform	5.093	83	167559	55.194	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	139184	58.089	ug/L #	93
29) Cyclohexane	5.471	56	151472	50.905	ug/L	98
30) 1,1,1-Trichloroethane	5.385	97	138132	53.522	ug/L	97
31) Carbon tetrachloride	5.678	117	111678	51.865	ug/L	99
33) Benzene	6.037	78	351833	52.048	ug/L	100
34) Trichloroethene	7.123	95	95963	53.718	ug/L	93
35) Methylcyclohexane	7.379	83	149916	50.388	ug/L	98
37) 1,2-Dichloropropane	7.427	63	97939	52.242	ug/L	100
38) Bromodichloromethane	7.824	83	120162	52.697	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	150705	50.402	ug/L	100
40) 4-Methyl-2-pentanone	8.574	43	349472	111.226	ug/L	98
42) Toluene	8.720	91	372891	52.020	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	141994	51.174	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	90205	52.504	ug/L	99
46) Tetrachloroethene	9.275	164	60658	51.472	ug/L	97
48) 2-Hexanone	9.427	43	281224	106.940	ug/L	99
49) Dibromochloromethane	9.519	129	85563	51.121	ug/L	99
50) 1,2-Dibromoethane	9.610	107	97415	52.925	ug/L	99
51) Chlorobenzene	10.079	112	229259	51.778	ug/L	97
52) Ethylbenzene	10.195	91	417472	52.095	ug/L	99
53) m,p-Xylene	10.299	106	153637	51.277	ug/L	94
54) o-Xylene	10.640	106	149063	51.847	ug/L	99
55) Styrene	10.653	104	256855	52.214	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	157543	52.543	ug/L	98
59) Bromoform	10.799	173	58245	48.208	ug/L	99
60) Isopropylbenzene	10.963	105	406033	54.053	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	127724	56.717	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	345541	54.486	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	338598	54.450	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	170325	52.975	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	172544	52.959	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	163398	53.128	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	39677	56.454	ug/L	93
69) 1,3,5-Trichlorobenzene	13.109	180	109867	51.671	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	105501	52.632	ug/L	97
71) Naphthalene	13.774	128	369751	53.786	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	102364	52.741	ug/L	100

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

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