

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120523\
 Data File : VX039072.D
 Acq On : 05 Dec 2023 10:15
 Operator : JC/MD
 Sample : VSTD00556
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005656

Quant Time: Dec 06 02:08:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 06 02:08:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	273424	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	252327	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	123697	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	11283	5.261	ug/L	0.00
7) Chloroethane-d5	1.672	69	8532	5.382	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	65	4907	5.212	ug/L	0.00
21) 2-Butanone-d5	4.452	46	19012	9.794	ug/L	0.00
24) Chloroform-d	5.056	84	18944	4.990	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	13147	5.347	ug/L	0.00
32) Benzene-d6	5.970	84	40283	5.173	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	12808	5.111	ug/L	0.00
41) Toluene-d8	8.647	98	36938	5.234	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	6267	4.914	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	14410	9.627	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	17379	4.888	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	12096	5.173	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	11546	5.295	ug/L	93
3) Chloromethane	1.294	50	11579	5.081	ug/L	96
5) Vinyl chloride	1.374	62	11806	5.256	ug/L	92
6) Bromomethane	1.617	94	6335	5.225	ug/L	90
8) Chloroethane	1.691	64	6529	5.141	ug/L	98
9) Trichlorofluoromethane	1.892	101	14798	5.083	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	9668	5.163	ug/L	98
12) 1,1-Dichloroethene	2.319	96	8963	5.088	ug/L	98
13) Acetone	2.373	43	20003	10.726	ug/L	98
14) Carbon disulfide	2.514	76	28000	4.995	ug/L	98
15) Methyl Acetate	2.703	43	12882	4.833	ug/L	99
16) Methylene chloride	2.788	84	10412	5.145	ug/L	95
17) trans-1,2-Dichloroethene	3.093	96	9340	5.033	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	32227	4.989	ug/L	99
19) 1,1-Dichloroethane	3.611	63	18212	4.963	ug/L	94
20) cis-1,2-Dichloroethene	4.489	96	10791	5.013	ug/L	96
22) 2-Butanone	4.562	43	22728	9.930	ug/L	76
23) Bromochloromethane	4.897	128	4977	4.918	ug/L	96
25) Chloroform	5.086	83	18654	5.096	ug/L	97
27) 1,2-Dichloroethane	6.080	62	14337	4.963	ug/L #	92
29) Cyclohexane	5.470	56	18082	5.123	ug/L #	94
30) 1,1,1-Trichloroethane	5.379	97	15236	4.977	ug/L	99
31) Carbon tetrachloride	5.678	117	12460	4.878	ug/L	99
33) Benzene	6.037	78	40658	5.070	ug/L	100
34) Trichloroethene	7.123	95	10757	5.076	ug/L	97
35) Methylcyclohexane	7.379	83	17891	5.069	ug/L	96
37) 1,2-Dichloropropane	7.427	63	11142	5.010	ug/L #	97
38) Bromodichloromethane	7.818	83	13207	4.883	ug/L	99
39) cis-1,3-Dichloropropene	8.366	75	17566	4.952	ug/L	97
40) 4-Methyl-2-pentanone	8.567	43	35618	9.556	ug/L	99
42) Toluene	8.720	91	44100	5.186	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	15997	4.860	ug/L	97

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

45) 1,1,2-Trichloroethane	9.153	97	10382	5.094	ug/L	93
46) Tetrachloroethene	9.269	164	7056	5.047	ug/L	92
48) 2-Hexanone	9.427	43	30060	9.636	ug/L	98
49) Dibromochloromethane	9.518	129	9478	4.774	ug/L	97
50) 1,2-Dibromoethane	9.610	107	10593	4.852	ug/L #	98
51) Chlorobenzene	10.079	112	26660	5.076	ug/L	94
52) Ethylbenzene	10.195	91	48823	5.136	ug/L	97
53) m,p-Xylene	10.299	106	17724	4.987	ug/L	96
54) o-Xylene	10.640	106	17040	4.996	ug/L	96
55) Styrene	10.659	104	28865	4.946	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.207	83	17882	5.028	ug/L	98
59) Bromoform	10.799	173	6810	4.684	ug/L	98
60) Isopropylbenzene	10.963	105	47043	5.205	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	13516	4.988	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	39494	5.176	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	37951	5.072	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	19711	5.095	ug/L	100
65) 1,4-Dichlorobenzene	12.042	146	20747	5.292	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	19294	5.214	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	4163	4.923	ug/L	90
69) 1,3,5-Trichlorobenzene	13.109	180	12789	4.999	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	12480	5.174	ug/L	96
71) Naphthalene	13.774	128	40463	4.892	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	12141	5.199	ug/L	98

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

