

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103122\
 Data File : VV028776.D
 Acq On : 31 Oct 2022 12:56
 Operator : SY/MD
 Sample : VSTD20074
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200274

Quant Time: Nov 01 02:59:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 01 02:57:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	448459	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	430802	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	229031	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	842680	236.541	ug/L	0.00
7) Chloroethane-d5	1.548	69	712987	248.314	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.101	63	1629387	259.491	ug/L	0.00
21) 2-Butanone-d5	3.860	46	1313800	423.744	ug/L	0.00
24) Chloroform-d	4.336	84	1315265	208.308	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.021	65	868890	212.303	ug/L	0.00
32) Benzene-d6	5.040	84	2683832	196.633	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.063	67	921620	205.086	ug/L	0.00
41) Toluene-d8	7.310	98	2432761	199.290	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.612	79	407700	187.844	ug/L	0.00
47) 2-Hexanone-d5	8.079	63	935907	395.474	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.207	84	1244006	203.797	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.615	152	907726	195.163	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.124	85	659554	196.777	ug/L	98
3) Chloromethane	1.236	50	1059629	256.761	ug/L	99
5) Vinyl chloride	1.307	62	1002955	247.775	ug/L	99
6) Bromomethane	1.510	94	599500	310.193	ug/L	97
8) Chloroethane	1.568	64	629719	253.567	ug/L	100
9) Trichlorofluoromethane	1.741	101	1179422	238.653	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	667277	237.558	ug/L	99
12) 1,1-Dichloroethene	2.108	96	666536	241.770	ug/L	94
13) Acetone	2.153	43	1034334	397.281	ug/L	99
14) Carbon disulfide	2.285	76	1946967	228.588	ug/L	99
15) Methyl Acetate	2.416	43	1005404	236.545	ug/L	100
16) Methylene chloride	2.497	84	734895	210.330	ug/L	99
17) trans-1,2-Dichloroethene	2.751	96	663726	214.264	ug/L	98
18) Methyl tert-butyl Ether	2.757	73	2304819	205.711	ug/L	100
19) 1,1-Dichloroethane	3.179	63	1407801	220.105	ug/L	100
20) cis-1,2-Dichloroethene	3.899	96	738492	211.658	ug/L #	99
22) 2-Butanone	3.944	43	1487276	455.259	ug/L	95
23) Bromochloromethane	4.233	128	346948	205.781	ug/L	99
25) Chloroform	4.362	83	1305221	211.814	ug/L	100
27) 1,2-Dichloroethane	5.121	62	1100854	229.571	ug/L	100
29) Cyclohexane	4.667	56	1379776	218.290	ug/L	99
30) 1,1,1-Trichloroethane	4.600	97	1083021	196.252	ug/L	99
31) Carbon tetrachloride	4.818	117	885793	193.013	ug/L	100
33) Benzene	5.092	78	2992743	208.004	ug/L	100
34) Trichloroethene	5.905	95	706656	201.293	ug/L	99
35) Methylcyclohexane	6.124	83	1271678	206.515	ug/L	99
37) 1,2-Dichloropropane	6.166	63	844821	218.464	ug/L	100
38) Bromodichloromethane	6.500	83	992858	202.071	ug/L	100
39) cis-1,3-Dichloropropene	7.018	75	1277628	213.340	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	2843516	430.854	ug/L	99
42) Toluene	7.381	91	3121346	211.129	ug/L	97
44) trans-1,3-Dichloropropene	7.641	75	1214035	212.265	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.831	97	706647	200.071	ug/L	97
46) Tetrachloroethene	7.969	164	499412	198.846	ug/L	99
48) 2-Hexanone	8.133	43	2218235	435.836	ug/L	100
49) Dibromochloromethane	8.239	129	720331	195.635	ug/L	99
50) 1,2-Dibromoethane	8.346	107	740643	203.915	ug/L	100
51) Chlorobenzene	8.873	112	1904209	206.990	ug/L	99
52) Ethylbenzene	9.005	91	3468862	215.612	ug/L	99
53) m,p-Xylene	9.130	106	1274458	210.322	ug/L	98
54) o-Xylene	9.535	106	1266272	209.239	ug/L	99
55) Styrene	9.551	104	2238122	215.213	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.233	83	1294572	211.365	ug/L	100
59) Bromoform	9.722	173	492916	181.634	ug/L	100
60) Isopropylbenzene	9.924	105	3399127	204.130	ug/L	100
61) 1,2,3-Trichloropropane	10.265	75	1001073	201.340	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	2948198	205.673	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	2960865	208.036	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	1480935	205.189	ug/L	99
65) 1,4-Dichlorobenzene	11.265	146	1493855	207.184	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	1491358	204.819	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	304816	208.145	ug/L	99
69) 1,3,5-Trichlorobenzene	12.635	180	1126072	208.171	ug/L	100
70) 1,2,4-trichlorobenzene	13.252	180	1029097	218.679	ug/L	99
71) Naphthalene	13.490	128	3450273	232.824	ug/L	100
72) 1,2,3-Trichlorobenzene	13.734	180	1024405	220.410	ug/L	99

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

