

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080422\
 Data File : VV027207.D
 Acq On : 04 Aug 2022 12:09
 Operator : SY/MD
 Sample : VSTD05054
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050254

Quant Time: Aug 05 02:02:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 05 02:01:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	353623	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	348568	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	184497	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	120138	49.831	ug/L	0.00
7) Chloroethane-d5	1.558	69	90232	51.195	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.105	63	213622	48.441	ug/L	0.00
21) 2-Butanone-d5	3.873	46	223588	103.940	ug/L	0.00
24) Chloroform-d	4.343	84	244573	49.524	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.027	65	157705	51.433	ug/L	0.00
32) Benzene-d6	5.047	84	425950	50.958	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.066	67	151226	50.860	ug/L	0.00
41) Toluene-d8	7.313	98	381447	53.537	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	67147	51.809	ug/L	0.00
47) 2-Hexanone-d5	8.085	63	153813	107.403	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	245281	50.620	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	154355	48.446	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	152794	48.571	ug/L	99
3) Chloromethane	1.237	50	178087	49.554	ug/L	98
5) Vinyl chloride	1.307	62	174833	48.835	ug/L	100
6) Bromomethane	1.513	94	80987	47.986	ug/L	99
8) Chloroethane	1.577	64	103010	51.647	ug/L	99
9) Trichlorofluoromethane	1.748	101	219794	47.848	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	121312	47.626	ug/L	98
12) 1,1-Dichloroethene	2.114	96	116318	47.472	ug/L	84
13) Acetone	2.163	43	163403	98.747	ug/L	90
14) Carbon disulfide	2.288	76	408371	48.969	ug/L	100
15) Methyl Acetate	2.426	43	185998	48.658	ug/L #	83
16) Methylene chloride	2.500	84	160826	49.138	ug/L	86
17) trans-1,2-Dichloroethene	2.754	96	134085	49.451	ug/L	91
18) Methyl tert-butyl Ether	2.767	73	410096	50.861	ug/L #	94
19) 1,1-Dichloroethane	3.185	63	267919	49.221	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	143172	50.829	ug/L	85
22) 2-Butanone	3.960	43	251263	110.755	ug/L	100
23) Bromochloromethane	4.243	128	77993	49.584	ug/L	85
25) Chloroform	4.368	83	269791	49.045	ug/L	99
27) 1,2-Dichloroethane	5.124	62	214609	50.092	ug/L	94
29) Cyclohexane	4.674	56	201230	50.127	ug/L	92
30) 1,1,1-Trichloroethane	4.603	97	227710	49.287	ug/L	96
31) Carbon tetrachloride	4.825	117	194960	48.605	ug/L	99
33) Benzene	5.095	78	579936	51.774	ug/L	100
34) Trichloroethene	5.908	95	145027	50.565	ug/L	94
35) Methylcyclohexane	6.127	83	218663	51.848	ug/L	91
37) 1,2-Dichloropropane	6.169	63	162757	51.865	ug/L	100
38) Bromodichloromethane	6.506	83	207060	50.358	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	215206	51.773	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	492751	110.069	ug/L #	90
42) Toluene	7.384	91	617654	54.233	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	214174	52.431	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.838	97	154401	51.050	ug/L	97
46) Tetrachloroethene	7.973	164	105477	50.246	ug/L	98
48) 2-Hexanone	8.137	43	398067	111.645	ug/L #	89
49) Dibromochloromethane	8.243	129	162503	50.828	ug/L	96
50) 1,2-Dibromoethane	8.349	107	161561	51.914	ug/L	100
51) Chlorobenzene	8.879	112	384782	50.370	ug/L	96
52) Ethylbenzene	9.011	91	616409	52.453	ug/L	99
53) m,p-Xylene	9.137	106	239850	54.004	ug/L	95
54) o-Xylene	9.542	106	231437	53.488	ug/L	94
55) Styrene	9.558	104	435371	57.118	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.239	83	255918	50.508	ug/L	100
59) Bromoform	9.728	173	106184	48.441	ug/L	99
60) Isopropylbenzene	9.931	105	599062	51.524	ug/L	98
61) 1,2,3-Trichloropropane	10.272	75	205211	48.449	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	494780	51.529	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	494211	52.541	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	281028	49.870	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	294507	49.660	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	296745	50.258	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.426	75	57702	48.558	ug/L	85
69) 1,3,5-Trichlorobenzene	12.644	180	185423	48.991	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	149757	47.640	ug/L	98
71) Naphthalene	13.500	128	548472	50.954	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	180669	51.852	ug/L	100

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

