

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060123\
 Data File : VU054376.D
 Acq On : 01 Jun 2023 16:19
 Operator : JC/MD
 Sample : VSTD00523
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005023

Quant Time: Jun 02 01:29:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM060123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 02 01:29:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	388532	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	390040	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	209486	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	15993	5.297	ug/L	0.00
7) Chloroethane-d5	1.912	69	12777	6.211	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	65	6419	5.235	ug/L	0.00
21) 2-Butanone-d5	4.639	46	23840	9.854	ug/L	0.02
24) Chloroform-d	5.060	84	26014	4.987	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	16637	5.155	ug/L	0.00
32) Benzene-d6	5.726	84	51369	4.914	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	18072	5.159	ug/L	0.00
41) Toluene-d8	7.896	98	45902	4.854	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	7967	4.838	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	13650	8.499	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	25969	4.956	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	19349	5.263	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	8519	5.776	ug/L	97
3) Chloromethane	1.520	50	10496	5.779	ug/L	97
5) Vinyl chloride	1.600	62	11319	5.687	ug/L	100
6) Bromomethane	1.858	94	6730	6.661	ug/L	98
8) Chloroethane	1.932	64	8087	7.105	ug/L	96
9) Trichlorofluoromethane	2.134	101	16761	5.743	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	11220	5.845	ug/L	98
12) 1,1-Dichloroethene	2.575	96	9111	5.672	ug/L	87
13) Acetone	2.636	43	22489	13.580	ug/L	93
14) Carbon disulfide	2.790	76	16727	5.650	ug/L	95
15) Methyl Acetate	2.954	43	15149	5.548	ug/L	99
16) Methylene chloride	3.044	84	15930	6.662	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	8872	5.497	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	36475	5.502	ug/L	98
19) 1,1-Dichloroethane	3.864	63	20654	5.489	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	11743	5.464	ug/L	95
22) 2-Butanone	4.716	43	20964	9.823	ug/L	100
23) Bromochloromethane	4.973	128	6297	5.670	ug/L	96
25) Chloroform	5.083	83	22155	5.524	ug/L	92
27) 1,2-Dichloroethane	5.790	62	16883	5.771	ug/L	97
29) Cyclohexane	5.385	56	13698	5.469	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	18190	5.542	ug/L	97
31) Carbon tetrachloride	5.520	117	14901	5.497	ug/L	98
33) Benzene	5.771	78	42615	5.410	ug/L	100
34) Trichloroethene	6.536	95	12048	5.754	ug/L	95
35) Methylcyclohexane	6.758	83	13792	5.341	ug/L	99
37) 1,2-Dichloropropane	6.787	63	12648	5.431	ug/L #	97
38) Bromodichloromethane	7.105	83	16949	5.517	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	19466	5.411	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	38693	10.419	ug/L	96
42) Toluene	7.967	91	43783	5.270	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	18401	5.251	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	13805	5.603	ug/L	97
46) Tetrachloroethene	8.549	164	8597	5.575	ug/L	97
48) 2-Hexanone	8.684	43	30455	10.063	ug/L	97
49) Dibromochloromethane	8.806	129	12662	5.348	ug/L	98
50) 1,2-Dibromoethane	8.922	107	14305	5.659	ug/L #	92
51) Chlorobenzene	9.443	112	32936	5.653	ug/L	98
52) Ethylbenzene	9.568	91	49316	5.253	ug/L	100
53) m,p-Xylene	9.693	106	18557	5.268	ug/L	100
54) o-Xylene	10.095	106	17708	5.060	ug/L	94
55) Styrene	10.111	104	30441	4.980	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	23665	5.430	ug/L	95
59) Bromoform	10.288	173	10557	5.652	ug/L #	95
60) 1,2,3-Trichloropropane	10.819	75	18065	5.662	ug/L	98
61) Isopropylbenzene	10.481	105	47706	5.331	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	35894	4.987	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	34717	4.871	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	26285	5.736	ug/L	96
65) 1,4-Dichlorobenzene	11.835	146	28920	5.958	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	27369	5.751	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.989	75	4990	5.431	ug/L #	71
69) 1,3,5-Trichlorobenzene	13.217	180	19225	5.627	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	17852	5.557	ug/L	97
71) Naphthalene	14.085	128	50624	5.017	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	17774	5.436	ug/L	100

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

