

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052814.D
 Acq On : 26 Jan 2023 12:54
 Operator : JC/MD
 Sample : VSTD10070
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100070

Quant Time: Jan 27 04:14:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	284484	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	275284	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	167033	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	206025	67.841	ug/L	0.00
7) Chloroethane-d5	1.912	69	174502	72.832	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	409190	79.267	ug/L	0.00
21) 2-Butanone-d5	4.626	46	264123	138.451	ug/L	0.00
24) Chloroform-d	5.060	84	442926	88.409	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	283444	86.612	ug/L	0.00
32) Benzene-d6	5.723	84	878764	92.798	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	253726	78.438	ug/L	0.00
41) Toluene-d8	7.896	98	817833	100.654	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	134267	93.304	ug/L	0.00
47) 2-Hexanone-d5	8.629	63	196717	172.478	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.751	84	371578	85.644	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.188	152	329711	100.256	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	255675	99.430	ug/L	99
3) Chloromethane	1.520	50	205391	62.962	ug/L	100
5) Vinyl chloride	1.604	62	229848	73.835	ug/L	98
6) Bromomethane	1.858	94	147904	95.079	ug/L	96
8) Chloroethane	1.935	64	144391	72.246	ug/L	95
9) Trichlorofluoromethane	2.137	101	382009	100.781	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	215718	96.037	ug/L	97
12) 1,1-Dichloroethene	2.578	96	203970	98.165	ug/L	94
13) Acetone	2.639	43	274380	136.368	ug/L	98
14) Carbon disulfide	2.793	76	595488	93.823	ug/L	100
15) Methyl Acetate	2.948	43	193733	63.094	ug/L	97
16) Methylene chloride	3.044	84	227676	83.911	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	215196	98.622	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	662955	95.436	ug/L	99
19) 1,1-Dichloroethane	3.864	63	378909	78.916	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	238707	98.482	ug/L	99
22) 2-Butanone	4.703	43	325179	139.707	ug/L	98
23) Bromochloromethane	4.970	128	130113	103.603	ug/L	98
25) Chloroform	5.083	83	421689	90.547	ug/L	100
27) 1,2-Dichloroethane	5.790	62	332377	86.769	ug/L	99
29) Cyclohexane	5.385	56	336750	91.291	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	383737	102.977	ug/L	99
31) Carbon tetrachloride	5.523	117	336771	107.681	ug/L	97
33) Benzene	5.771	78	902651	91.720	ug/L	100
34) Trichloroethene	6.539	95	228279	99.619	ug/L	96
35) Methylcyclohexane	6.761	83	393235	108.369	ug/L	99
37) 1,2-Dichloropropane	6.787	63	221652	78.724	ug/L	100
38) Bromodichloromethane	7.102	83	320438	91.899	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	366060	95.688	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	554307	150.994	ug/L	99
42) Toluene	7.967	91	968135	100.826	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	362861	98.343	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.394	97	226204	94.148	ug/L	98
46) Tetrachloroethene	8.552	164	199959	120.782	ug/L	98
48) 2-Hexanone	8.681	43	457323	151.003	ug/L	97
49) Dibromochloromethane	8.806	129	275618	107.196	ug/L	99
50) 1,2-Dibromoethane	8.922	107	249742	101.699	ug/L	99
51) Chlorobenzene	9.443	112	641689	103.919	ug/L	99
52) Ethylbenzene	9.568	91	1073941	107.236	ug/L	100
53) m,p-Xylene	9.690	106	436857	115.084	ug/L	99
54) o-xylene	10.099	106	421614	115.344	ug/L	96
55) Styrene	10.111	104	732509	114.013	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	364192	85.079	ug/L	99
59) Bromoform	10.288	173	210503	105.124	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	286442	76.662	ug/L	98
61) Isopropylbenzene	10.481	105	1104313	106.609	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	962391	113.170	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	947456	113.142	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	527193	105.719	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	530963	101.209	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	524092	101.982	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	85038	81.418	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	401971	113.023	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	344780	114.746	ug/L	99
71) Naphthalene	14.082	128	1032426	112.558	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	355872	114.827	ug/L	99

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

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