

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051462.D
 Acq On : 20 Oct 2022 09:58
 Operator : JC/MD
 Sample : VSTD00543
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005043

Quant Time: Oct 20 21:38:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 20 21:37:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	402270	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	416737	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	181783	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	16563	4.221	ug/L	0.00
7) Chloroethane-d5	1.909	69	13531	3.710	ug/L	0.02
11) 1,1-Dichloroethene-d2	2.568	63	28236	4.752	ug/L	0.00
21) 2-Butanone-d5	4.629	46	19460	7.507	ug/L	0.01
24) Chloroform-d	5.063	84	30115	4.653	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.703	65	19928	4.983	ug/L	0.00
32) Benzene-d6	5.729	84	52195	4.310	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	17807	4.528	ug/L	0.00
41) Toluene-d8	7.899	98	43323	3.860	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	6182	3.342	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	10632	6.579	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	29589	4.320	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	16677	4.411	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	20808	6.112	ug/L	99
3) Chloromethane	1.526	50	27663	6.825	ug/L	95
5) Vinyl chloride	1.604	62	25500	5.950	ug/L	94
6) Bromomethane	1.848	94	17207	5.229	ug/L	96
8) Chloroethane	1.932	64	15673	5.064	ug/L	98
9) Trichlorofluoromethane	2.137	101	29792	5.296	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	19124	6.193	ug/L	97
12) 1,1-Dichloroethene	2.578	96	17033	5.871	ug/L	93
13) Acetone	2.623	43	40814	18.438	ug/L	96
14) Carbon disulfide	2.793	76	55207	6.325	ug/L	97
15) Methyl Acetate	2.948	43	22243	5.747	ug/L	100
16) Methylene chloride	3.047	84	23897	5.777	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	16845	5.478	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	43789	4.766	ug/L	96
19) 1,1-Dichloroethane	3.867	63	35448	6.076	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	17265	5.077	ug/L	94
22) 2-Butanone	4.703	43	33572	11.430	ug/L	96
23) Bromochloromethane	4.976	128	10601	5.691	ug/L	95
25) Chloroform	5.089	83	35862	5.702	ug/L	100
27) 1,2-Dichloroethane	5.793	62	28145	5.820	ug/L	98
29) Cyclohexane	5.385	56	18170	4.349	ug/L	96
30) 1,1,1-Trichloroethane	5.317	97	27718	5.633	ug/L	98
31) Carbon tetrachloride	5.526	117	23676	5.869	ug/L	99
33) Benzene	5.774	78	71176	5.509	ug/L	100
34) Trichloroethene	6.539	95	18671	5.666	ug/L	97
35) Methylcyclohexane	6.761	83	20378	4.455	ug/L	95
37) 1,2-Dichloropropane	6.793	63	21218	6.092	ug/L	98
38) Bromodichloromethane	7.105	83	27621	5.995	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	22769	4.662	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	42504	8.510	ug/L	94
42) Toluene	7.970	91	65248	4.746	ug/L	96
44) trans-1,3-Dichloropropene	8.211	75	21947	4.474	ug/L	91

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

45) 1,1,2-Trichloroethane	8.398	97	20648	5.550	ug/L	96
46) Tetrachloroethene	8.552	164	13301	5.289	ug/L	95
48) 2-Hexanone	8.684	43	38207	8.501	ug/L	90
49) Dibromochloromethane	8.809	129	20662	5.310	ug/L	99
50) 1,2-Dibromoethane	8.922	107	20671	5.169	ug/L #	95
51) Chlorobenzene	9.446	112	47014	5.087	ug/L	97
52) Ethylbenzene	9.571	91	59283	4.121	ug/L	97
53) m,p-Xylene	9.693	106	22050	4.023	ug/L	98
54) o-Xylene	10.098	106	21223	3.884	ug/L	98
55) Styrene	10.115	104	33263	3.518	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	37881	5.706	ug/L	99
59) Bromoform	10.288	173	14722	5.532	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	27836	5.814	ug/L	100
61) Isopropylbenzene	10.484	105	50356	4.261	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	39148	4.071	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	37004	3.788	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	30048	4.899	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	32232	5.280	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	32739	5.313	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.999	75	7678	5.644	ug/L	91
69) 1,3,5-Trichlorobenzene	13.220	180	20144	4.915	ug/L	97
70) 1,2,4-trichlorobenzene	13.844	180	13097	3.942	ug/L	99
71) Naphthalene	14.089	128	33300	2.842	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	13703	3.689	ug/L	96

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

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