

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071122\
 Data File : VU049667.D
 Acq On : 11 Jul 2022 10:47
 Operator : SY/MD
 Sample : VSTD01002
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010002

Quant Time: Jul 12 02:11:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 12 02:09:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	224735	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	210381	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	100182	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	18752	12.612	ug/L	0.00
7) Chloroethane-d5	1.906	69	13584	12.483	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.568	63	33715	12.214	ug/L	0.00
21) 2-Butanone-d5	4.626	46	31922	20.831	ug/L	0.00
24) Chloroform-d	5.064	84	32853	10.858	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.700	65	22683	11.533	ug/L	0.00
32) Benzene-d6	5.726	84	62669	11.545	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	21053	11.590	ug/L	0.00
41) Toluene-d8	7.896	98	53596	11.188	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	8353	9.884	ug/L	0.00
47) 2-Hexanone-d5	8.633	63	17224	18.606	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.755	84	28032	9.521	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	18879	10.688	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	28508	13.379	ug/L	99
3) Chloromethane	1.520	50	32584	14.269	ug/L	97
5) Vinyl chloride	1.604	62	27729	13.035	ug/L	98
6) Bromomethane	1.845	94	13732	12.055	ug/L	99
8) Chloroethane	1.929	64	16358	13.819	ug/L	98
9) Trichlorofluoromethane	2.134	101	34794	11.960	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	18565	11.389	ug/L	98
12) 1,1-Dichloroethene	2.578	96	16542	11.535	ug/L	89
13) Acetone	2.626	43	29832	23.536	ug/L	99
14) Carbon disulfide	2.790	76	56566	14.478	ug/L	99
15) Methyl Acetate	2.951	43	26980	11.281	ug/L	98
16) Methylene chloride	3.041	84	21802	11.725	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	18289	11.648	ug/L	92
18) Methyl tert-butyl Ether	3.363	73	62477	10.821	ug/L	99
19) 1,1-Dichloroethane	3.867	63	38390	11.373	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	20321	10.787	ug/L	99
22) 2-Butanone	4.703	43	40811	21.773	ug/L	98
23) Bromochloromethane	4.973	128	10524	10.714	ug/L	98
25) Chloroform	5.086	83	38195	10.980	ug/L	99
27) 1,2-Dichloroethane	5.793	62	32984	11.508	ug/L	97
29) Cyclohexane	5.388	56	34258	13.390	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	32119	10.804	ug/L	99
31) Carbon tetrachloride	5.523	117	25886	10.074	ug/L	98
33) Benzene	5.774	78	83653	11.859	ug/L	100
34) Trichloroethene	6.543	95	19899	11.284	ug/L	94
35) Methylcyclohexane	6.761	83	30392	11.984	ug/L	99
37) 1,2-Dichloropropane	6.790	63	23268	11.710	ug/L	100
38) Bromodichloromethane	7.105	83	28166	10.888	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	28526	9.888	ug/L	94
40) 4-Methyl-2-pentanone	7.790	43	71909	21.702	ug/L	100
42) Toluene	7.967	91	80264	11.046	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	27090	9.635	ug/L	99

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45) 1,1,2-Trichloroethane	8.401	97	20144	10.709	ug/L	97
46) Tetrachloroethene	8.552	164	14090	10.445	ug/L	94
48) 2-Hexanone	8.684	43	57264	21.269	ug/L	98
49) Dibromochloromethane	8.809	129	20224	9.849	ug/L	98
50) 1,2-Dibromoethane	8.922	107	19185	9.812	ug/L	97
51) Chlorobenzene	9.446	112	49003	10.254	ug/L	99
52) Ethylbenzene	9.571	91	82899	10.583	ug/L	98
53) m,p-Xylene	9.690	106	29506	9.805	ug/L	96
54) o-Xylene	10.099	106	30232	9.914	ug/L	98
55) Styrene	10.115	104	48162	9.476	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	36102	10.286	ug/L #	95
59) Bromoform	10.288	173	14376	9.913	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	28841	11.168	ug/L	98
61) Isopropylbenzene	10.485	105	77150	11.131	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	63507	10.736	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	60452	12.106	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	33882	10.086	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	34570	10.202	ug/L	97
67) 1,2-Dichlorobenzene	12.211	146	36052	10.428	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.996	75	8542	10.256	ug/L	93
69) 1,3,5-Trichlorobenzene	13.218	180	22964	9.603	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	20471	9.998	ug/L	100
71) Naphthalene	14.086	128	68818	9.387	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	21318	9.859	ug/L	98

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

