

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102022\
 Data File : VU051465.D
 Acq On : 20 Oct 2022 11:09
 Operator : JC/MD
 Sample : VSTD10046
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100046

Quant Time: Oct 20 21:39:44 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	6.247	114	517365	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	532002	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	291898	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	393445	77.967	ug/L	0.00
7) Chloroethane-d5	1.890	69	322391	68.724	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.562	63	673273	88.093	ug/L	0.00
21) 2-Butanone-d5	4.616	46	611259	183.353	ug/L	0.00
24) Chloroform-d	5.060	84	726391	87.264	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	441356	85.816	ug/L	0.00
32) Benzene-d6	5.723	84	1483959	95.979	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.687	67	478981	95.416	ug/L	0.00
41) Toluene-d8	7.896	98	1410645	98.459	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.176	79	218529	92.548	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	499771	242.237	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.754	84	845134	96.666	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	549894	90.584	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	420265	95.980	ug/L	99
3) Chloromethane	1.523	50	538265	103.263	ug/L	97
5) Vinyl chloride	1.604	62	537583	97.536	ug/L	100
6) Bromomethane	1.829	94	231419	54.676	ug/L	100
8) Chloroethane	1.912	64	315479	79.258	ug/L	99
9) Trichlorofluoromethane	2.128	101	607589	83.974	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	368533	92.798	ug/L	99
12) 1,1-Dichloroethene	2.575	96	363039	97.292	ug/L	93
13) Acetone	2.623	43	499068	175.303	ug/L	98
14) Carbon disulfide	2.787	76	1182612	105.351	ug/L	100
15) Methyl Acetate	2.941	43	467280	93.866	ug/L	99
16) Methylene chloride	3.041	84	459778	86.426	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	380859	96.299	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	1154939	97.743	ug/L	100
19) 1,1-Dichloroethane	3.864	63	727622	96.970	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	435726	99.629	ug/L	98
22) 2-Butanone	4.697	43	739469	195.760	ug/L	99
23) Bromochloromethane	4.970	128	229276	95.696	ug/L	98
25) Chloroform	5.083	83	749804	92.693	ug/L	99
27) 1,2-Dichloroethane	5.790	62	578859	93.064	ug/L	98
29) Cyclohexane	5.385	56	633216	118.720	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	603014	96.000	ug/L	99
31) Carbon tetrachloride	5.520	117	505930	98.248	ug/L	100
33) Benzene	5.771	78	1738348	105.391	ug/L	100
34) Trichloroethene	6.539	95	410336	97.535	ug/L	98
35) Methylcyclohexane	6.761	83	671147	114.928	ug/L	97
37) 1,2-Dichloropropane	6.787	63	454797	102.285	ug/L	100
38) Bromodichloromethane	7.102	83	580642	98.719	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	679789	109.037	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	1437265	225.416	ug/L	98
42) Toluene	7.967	91	1898791	108.197	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	664844	106.172	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	462872	97.465	ug/L	99
46) Tetrachloroethene	8.552	164	311773	97.113	ug/L	98
48) 2-Hexanone	8.684	43	1188880	207.221	ug/L	98
49) Dibromochloromethane	8.809	129	482884	97.213	ug/L	98
50) 1,2-Dibromoethane	8.922	107	485210	95.048	ug/L	99
51) Chlorobenzene	9.446	112	1183478	100.305	ug/L	99
52) Ethylbenzene	9.568	91	2024852	110.263	ug/L	100
53) m,p-Xylene	9.690	106	800241	114.372	ug/L	99
54) o-Xylene	10.099	106	795223	114.000	ug/L	99
55) Styrene	10.111	104	1422222	117.830	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	900235	106.215	ug/L	99
59) Bromoform	10.288	173	384894	90.071	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	695494	90.461	ug/L	99
61) Isopropylbenzene	10.481	105	2023165	106.624	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	1812122	117.369	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	1812340	115.541	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	942431	95.686	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	951166	97.043	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	962510	97.268	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	192121	87.957	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	647051	98.310	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	536281	100.533	ug/L	99
71) Naphthalene	14.082	128	1930272	102.579	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	578086	96.931	ug/L	98

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

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