

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051162.D
 Acq On : 06 Oct 2022 05:48
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

Quant Time: Oct 06 06:36:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	490532	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	484877	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	232262	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	160598	32.305	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.620%
7) Chloroethane-d5	1.896	69	147522	31.945	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.900%#
11) 1,1-Dichloroethene-d2	2.562	63	289001	39.355	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.720%
21) 2-Butanone-d5	4.620	46	281370	87.265	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.270%
24) Chloroform-d	5.060	84	345536	43.142	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.280%
26) 1,2-Dichloroethane-d4	5.700	65	213203	43.006	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.020%
32) Benzene-d6	5.726	84	687171	48.396	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.800%
36) 1,2-Dichloropropane-d6	6.690	67	231405	50.224	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.440%
41) Toluene-d8	7.896	98	617818	47.094	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.180%
43) trans-1,3-Dichloroprop...	8.179	79	92371	42.032	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.060%
47) 2-Hexanone-d5	8.632	63	156720	84.239	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.240%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	364815	45.305	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.620%
66) 1,2-Dichlorobenzene-d4	12.192	152	221234	44.588	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	175873	42.757	ug/L	99
3) Chloromethane	1.523	50	227340	46.778	ug/L	100
5) Vinyl chloride	1.604	62	240094	46.550	ug/L	99
6) Bromomethane	1.832	94	146571	34.307	ug/L	99
8) Chloroethane	1.919	64	148228	39.137	ug/L	99
9) Trichlorofluoromethane	2.131	101	273590	39.450	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	165199	44.114	ug/L	98
12) 1,1-Dichloroethene	2.575	96	161245	46.095	ug/L	89
13) Acetone	2.623	43	204885	79.576	ug/L	98
14) Carbon disulfide	2.787	76	469834	45.437	ug/L	99
15) Methyl Acetate	2.944	43	227180	48.329	ug/L	99
16) Methylene chloride	3.041	84	218727	43.557	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	176894	47.533	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	587498	51.948	ug/L	99
19) 1,1-Dichloroethane	3.864	63	358072	50.653	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	209314	50.374	ug/L	98
22) 2-Butanone	4.697	43	329582	92.649	ug/L	98
23) Bromochloromethane	4.973	128	108747	47.765	ug/L	97
25) Chloroform	5.086	83	367429	47.785	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	285337	48.443	ug/L	100
29) Cyclohexane	5.385	56	265169	56.165	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	281592	49.519	ug/L	99
31) Carbon tetrachloride	5.523	117	223951	48.268	ug/L	98
33) Benzene	5.771	78	825163	55.821	ug/L	100
34) Trichloroethene	6.539	95	189489	49.491	ug/L	97
35) Methylcyclohexane	6.761	83	261909	50.260	ug/L	98
37) 1,2-Dichloropropane	6.790	63	223594	56.169	ug/L	99
38) Bromodichloromethane	7.102	83	274538	51.678	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	287434	50.985	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	640850	111.164	ug/L	99
42) Toluene	7.967	91	962968	61.244	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	272834	47.864	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	218105	50.582	ug/L	98
46) Tetrachloroethene	8.552	164	132452	45.649	ug/L	98
48) 2-Hexanone	8.681	43	541073	103.332	ug/L	98
49) Dibromochloromethane	8.806	129	213055	46.997	ug/L	99
50) 1,2-Dibromoethane	8.922	107	228011	48.772	ug/L	99
51) Chlorobenzene	9.446	112	520764	48.703	ug/L	99
52) Ethylbenzene	9.568	91	846619	50.479	ug/L	100
53) m,p-Xylene	9.690	106	334955	53.109	ug/L	100
54) o-Xylene	10.098	106	334131	53.004	ug/L	99
55) Styrene	10.111	104	578430	53.089	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	397189	52.048	ug/L	99
59) Bromoform	10.288	173	162560	47.568	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	304524	49.823	ug/L	98
61) Isopropylbenzene	10.481	105	808773	53.604	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	680977	55.195	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	683213	55.252	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	379303	48.765	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	374396	48.152	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	396493	49.614	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	77527	43.465	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	241500	45.785	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	192858	44.688	ug/L	99
71) Naphthalene	14.082	128	742950	48.099	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	220502	45.788	ug/L	100

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

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