

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052041.D
 Acq On : 22 Nov 2022 13:51
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050133

Quant Time: Nov 23 03:27:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 07:34:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	479961	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	465087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	234269	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	185211	44.530	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.060%
7) Chloroethane-d5	1.906	69	156159	47.408	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.820%
11) 1,1-Dichloroethene-d2	2.565	63	298756	48.459	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.920%
21) 2-Butanone-d5	4.616	46	262978	105.218	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.220%
24) Chloroform-d	5.060	84	335861	49.286	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.580%
26) 1,2-Dichloroethane-d4	5.700	65	201456	49.153	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.300%
32) Benzene-d6	5.726	84	691227	49.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.720%
36) 1,2-Dichloropropane-d6	6.687	67	224429	50.393	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.780%
41) Toluene-d8	7.896	98	633516	51.148	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.300%
43) trans-1,3-Dichloroprop...	8.176	79	93942	49.551	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.100%
47) 2-Hexanone-d5	8.629	63	191171	110.040	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.040%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	357036	50.674	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	234809	48.469	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	138916	53.916	ug/L	99
3) Chloromethane	1.527	50	190759	51.662	ug/L	98
5) Vinyl chloride	1.604	62	198964	52.481	ug/L	100
6) Bromomethane	1.845	94	105380	55.378	ug/L	100
8) Chloroethane	1.928	64	129028	51.902	ug/L	98
9) Trichlorofluoromethane	2.134	101	244289	53.901	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	155383	53.396	ug/L	98
12) 1,1-Dichloroethene	2.578	96	147111	52.934	ug/L	96
13) Acetone	2.620	43	218604	95.745	ug/L	99
14) Carbon disulfide	2.790	76	352381	50.143	ug/L	99
15) Methyl Acetate	2.945	43	191124	52.433	ug/L	99
16) Methylene chloride	3.044	84	203050	47.970	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	155658	52.641	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	511084	53.212	ug/L	100
19) 1,1-Dichloroethane	3.867	63	322657	53.039	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	185748	52.321	ug/L	96
22) 2-Butanone	4.697	43	295905	103.945	ug/L	99
23) Bromochloromethane	4.973	128	98051	51.310	ug/L	95
25) Chloroform	5.086	83	329822	52.543	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	245440	52.120	ug/L	99
29) Cyclohexane	5.388	56	234084	57.395	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	255004	53.466	ug/L	100
31) Carbon tetrachloride	5.523	117	207205	53.660	ug/L	98
33) Benzene	5.771	78	747756	54.271	ug/L	100
34) Trichloroethene	6.539	95	170805	53.131	ug/L	95
35) Methylcyclohexane	6.761	83	247396	56.150	ug/L	98
37) 1,2-Dichloropropane	6.790	63	204490	53.126	ug/L	100
38) Bromodichloromethane	7.102	83	246485	51.866	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	272591	52.371	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	538803	110.057	ug/L	99
42) Toluene	7.967	91	787234	55.293	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	255800	52.542	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	200060	52.724	ug/L	99
46) Tetrachloroethene	8.552	164	126726	52.252	ug/L	99
48) 2-Hexanone	8.681	43	440463	108.722	ug/L	99
49) Dibromochloromethane	8.806	129	193582	50.200	ug/L	100
50) 1,2-Dibromoethane	8.922	107	198850	52.178	ug/L	100
51) Chlorobenzene	9.446	112	489760	52.283	ug/L	99
52) Ethylbenzene	9.568	91	796374	54.935	ug/L	99
53) m,p-Xylene	9.693	106	314117	56.082	ug/L	98
54) o-Xylene	10.099	106	320857	56.617	ug/L	97
55) Styrene	10.111	104	550416	57.329	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	365899	52.991	ug/L	98
59) Bromoform	10.288	173	145517	47.961	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	274210	50.408	ug/L	99
61) Isopropylbenzene	10.481	105	801226	56.050	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	643205	56.319	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	629602	56.570	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	364995	52.672	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	355840	50.397	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	382265	52.650	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	66880	49.903	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	235299	50.863	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	184813	49.732	ug/L	98
71) Naphthalene	14.082	128	635427	52.521	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	209546	52.048	ug/L	99

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

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