

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052001.D
 Acq On : 21 Nov 2022 16:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050130

Quant Time: Nov 22 00:58:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 00:50:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	551864	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	531036	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	268506	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	225031	47.055	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.120%
7) Chloroethane-d5	1.906	69	179749	47.460	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.920%
11) 1,1-Dichloroethene-d2	2.565	63	336717	47.500	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.000%
21) 2-Butanone-d5	4.616	46	281182	97.843	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.840%
24) Chloroform-d	5.060	84	363526	46.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.780%
26) 1,2-Dichloroethane-d4	5.700	65	215410	45.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.420%
32) Benzene-d6	5.726	84	775250	48.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.960%
36) 1,2-Dichloropropane-d6	6.687	67	244339	48.050	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.100%
41) Toluene-d8	7.896	98	712326	50.369	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.740%
43) trans-1,3-Dichloroprop...	8.176	79	106376	49.141	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.280%
47) 2-Hexanone-d5	8.629	63	206922	104.314	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.310%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	377656	46.944	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.880%
66) 1,2-Dichlorobenzene-d4	12.192	152	262971	47.360	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	144489	48.773	ug/L	99
3) Chloromethane	1.526	50	191244	45.045	ug/L	98
5) Vinyl chloride	1.604	62	202718	46.504	ug/L	98
6) Bromomethane	1.845	94	100933	46.131	ug/L	97
8) Chloroethane	1.928	64	130592	45.687	ug/L	99
9) Trichlorofluoromethane	2.134	101	249998	47.974	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	162083	48.441	ug/L	99
12) 1,1-Dichloroethene	2.578	96	150680	47.154	ug/L	97
13) Acetone	2.623	43	190203	72.452	ug/L	99
14) Carbon disulfide	2.790	76	385539	47.713	ug/L	99
15) Methyl Acetate	2.944	43	202463	48.307	ug/L	99
16) Methylene chloride	3.044	84	217409	44.671	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	160451	47.192	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	537918	48.709	ug/L	100
19) 1,1-Dichloroethane	3.867	63	325517	46.537	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	194437	47.633	ug/L	99
22) 2-Butanone	4.697	43	290219	88.665	ug/L	99
23) Bromochloromethane	4.970	128	102243	46.532	ug/L	98
25) Chloroform	5.086	83	338172	46.854	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	250769	46.313	ug/L	99
29) Cyclohexane	5.385	56	252256	54.169	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	263637	48.412	ug/L	98
31) Carbon tetrachloride	5.523	117	215514	48.881	ug/L	99
33) Benzene	5.771	78	765416	48.654	ug/L	100
34) Trichloroethene	6.539	95	177671	48.403	ug/L	98
35) Methylcyclohexane	6.761	83	274221	54.509	ug/L	99
37) 1,2-Dichloropropane	6.787	63	207178	47.140	ug/L	99
38) Bromodichloromethane	7.102	83	258289	47.600	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	288708	48.579	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	570389	102.040	ug/L	100
42) Toluene	7.967	91	816601	50.233	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	273004	49.112	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	210253	48.529	ug/L	98
46) Tetrachloroethene	8.552	164	135446	48.912	ug/L	99
48) 2-Hexanone	8.681	43	461794	99.831	ug/L	99
49) Dibromochloromethane	8.806	129	210711	47.856	ug/L	99
50) 1,2-Dibromoethane	8.918	107	212694	48.879	ug/L	98
51) Chlorobenzene	9.443	112	518922	48.516	ug/L	100
52) Ethylbenzene	9.568	91	846957	51.169	ug/L	98
53) m,p-Xylene	9.690	106	334350	52.281	ug/L	99
54) o-Xylene	10.098	106	337787	52.202	ug/L	97
55) Styrene	10.111	104	580507	52.954	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	378120	47.960	ug/L	99
59) Bromoform	10.288	173	159539	45.878	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	286450	45.944	ug/L	100
61) Isopropylbenzene	10.481	105	837227	51.101	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	703725	53.761	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	688313	53.959	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	394626	49.687	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	396016	48.935	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	412506	49.571	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	73638	47.939	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	269900	50.903	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	226354	53.144	ug/L	99
71) Naphthalene	14.082	128	843981	60.865	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	255475	55.365	ug/L	100

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

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