

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111622\
 Data File : VU051871.D
 Acq On : 16 Nov 2022 09:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050121

Quant Time: Nov 17 01:17:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	498003	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	498495	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	258957	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	104684	42.818	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.640%
7) Chloroethane-d5	1.903	69	109607	44.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.500%
11) 1,1-Dichloroethene-d2	2.568	63	203385	46.390	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.780%
21) 2-Butanone-d5	4.616	46	255587	91.935	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.940%
24) Chloroform-d	5.060	84	280554	45.777	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.560%
26) 1,2-Dichloroethane-d4	5.700	65	170980	45.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.140%
32) Benzene-d6	5.726	84	495834	47.705	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.400%
36) 1,2-Dichloropropane-d6	6.690	67	181630	46.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.900%
41) Toluene-d8	7.896	98	421132	49.363	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.720%
43) trans-1,3-Dichloroprop...	8.179	79	72882	47.295	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.580%
47) 2-Hexanone-d5	8.632	63	190653	96.962	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.960%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	349141	46.368	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.740%
66) 1,2-Dichlorobenzene-d4	12.192	152	207172	45.460	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	149101	48.766	ug/L	99
3) Chloromethane	1.523	50	191921	47.268	ug/L	100
5) Vinyl chloride	1.604	62	200386	47.580	ug/L	100
6) Bromomethane	1.838	94	94207	51.631	ug/L	99
8) Chloroethane	1.925	64	131605	48.063	ug/L	99
9) Trichlorofluoromethane	2.134	101	249142	49.411	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	156344	49.200	ug/L	98
12) 1,1-Dichloroethene	2.578	96	146471	49.353	ug/L	96
13) Acetone	2.620	43	344518	115.829	ug/L	99
14) Carbon disulfide	2.790	76	395339	48.082	ug/L	99
15) Methyl Acetate	2.944	43	196604	48.485	ug/L	99
16) Methylene chloride	3.044	84	219136	46.252	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	159103	49.746	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	501654	50.677	ug/L	100
19) 1,1-Dichloroethane	3.867	63	320129	49.179	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	189781	50.844	ug/L	98
22) 2-Butanone	4.697	43	387068	115.228	ug/L	100
23) Bromochloromethane	4.973	128	103574	50.283	ug/L	97
25) Chloroform	5.086	83	336680	49.570	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	249721	49.754	ug/L	100
29) Cyclohexane	5.388	56	226539	53.265	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	252034	50.008	ug/L	99
31) Carbon tetrachloride	5.523	117	213249	50.612	ug/L	99
33) Benzene	5.771	78	751467	52.406	ug/L	100
34) Trichloroethene	6.539	95	173004	50.927	ug/L	98
35) Methylcyclohexane	6.761	83	254573	55.267	ug/L	98
37) 1,2-Dichloropropane	6.790	63	207735	51.162	ug/L	100
38) Bromodichloromethane	7.105	83	258522	50.891	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	273790	51.548	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	559695	104.676	ug/L	100
42) Toluene	7.967	91	804260	54.531	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	266637	52.390	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	208447	50.518	ug/L	98
46) Tetrachloroethene	8.552	164	133903	49.356	ug/L	97
48) 2-Hexanone	8.680	43	527066	114.774	ug/L	98
49) Dibromochloromethane	8.809	129	216575	50.906	ug/L	99
50) 1,2-Dibromoethane	8.922	107	210620	50.706	ug/L	98
51) Chlorobenzene	9.446	112	511610	50.765	ug/L	100
52) Ethylbenzene	9.568	91	811183	53.742	ug/L	98
53) m,p-Xylene	9.693	106	326543	55.890	ug/L	97
54) o-Xylene	10.098	106	329384	55.391	ug/L	99
55) Styrene	10.111	104	576042	56.142	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	389440	49.947	ug/L	99
59) Bromoform	10.288	173	164539	46.864	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	294617	47.561	ug/L	98
61) Isopropylbenzene	10.481	105	809487	53.485	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	673112	54.580	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	673208	55.872	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	394696	51.454	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	395747	50.945	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	411143	50.405	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	75636	47.690	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	264599	51.993	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	210339	52.144	ug/L	99
71) Naphthalene	14.085	128	711732	53.649	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	236582	53.585	ug/L	99

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

