

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042622\
 Data File : VU048293.D
 Acq On : 26 Apr 2022 11:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050101

Quant Time: Apr 27 03:49:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 26 02:41:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	377724	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	399586	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	230690	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	172727	49.728	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.460%
7) Chloroethane-d5	1.893	69	127286	52.206	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.420%
11) 1,1-Dichloroethene-d2	2.565	63	268156	48.182	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.360%
21) 2-Butanone-d5	4.620	46	259805	87.697	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.700%
24) Chloroform-d	5.063	84	301160	47.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.703	65	184281	49.298	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.600%
32) Benzene-d6	5.726	84	623552	49.479	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.960%
36) 1,2-Dichloropropane-d6	6.690	67	198249	47.583	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.160%
41) Toluene-d8	7.899	98	595701	52.148	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.300%
43) trans-1,3-Dichloroprop...	8.179	79	94205	51.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.480%
47) 2-Hexanone-d5	8.636	63	203721	90.629	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.630%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	344496	47.145	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.300%
66) 1,2-Dichlorobenzene-d4	12.195	152	254835	49.106	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	141050	49.419	ug/L	99
3) Chloromethane	1.523	50	150433	46.049	ug/L	99
5) Vinyl chloride	1.604	62	162320	49.307	ug/L	98
6) Bromomethane	1.832	94	75344	49.799	ug/L	97
8) Chloroethane	1.916	64	97644	52.456	ug/L	100
9) Trichlorofluoromethane	2.128	101	221341	51.592	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	142309	50.013	ug/L	99
12) 1,1-Dichloroethene	2.575	96	122471	49.309	ug/L	90
13) Acetone	2.623	43	212040	111.489	ug/L	99
14) Carbon disulfide	2.790	76	289093	47.757	ug/L	99
15) Methyl Acetate	2.944	43	179491	47.543	ug/L	99
16) Methylene chloride	3.044	84	163870	51.175	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	129947	50.362	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	453513	53.271	ug/L	98
19) 1,1-Dichloroethane	3.867	63	266406	49.374	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	162573	52.271	ug/L	93
22) 2-Butanone	4.700	43	287725	102.307	ug/L	98
23) Bromochloromethane	4.973	128	90525	52.133	ug/L	99
25) Chloroform	5.089	83	285331	51.787	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	212153	52.790	ug/L	99
29) Cyclohexane	5.388	56	191742	50.787	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	234357	51.864	ug/L	100
31) Carbon tetrachloride	5.526	117	198280	51.483	ug/L	100
33) Benzene	5.774	78	611394	51.679	ug/L	100
34) Trichloroethene	6.542	95	149571	51.579	ug/L	99
35) Methylcyclohexane	6.764	83	215290	52.881	ug/L	99
37) 1,2-Dichloropropane	6.790	63	167367	49.723	ug/L	99
38) Bromodichloromethane	7.105	83	218879	51.491	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	248594	52.521	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	528180	104.037	ug/L	100
42) Toluene	7.970	91	669058	53.865	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	244203	52.813	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	178793	50.628	ug/L	99
46) Tetrachloroethene	8.555	164	129553	52.056	ug/L	98
48) 2-Hexanone	8.687	43	446965	105.429	ug/L	98
49) Dibromochloromethane	8.812	129	196333	50.593	ug/L	99
50) 1,2-Dibromoethane	8.925	107	186095	51.963	ug/L	99
51) Chlorobenzene	9.449	112	460440	51.428	ug/L	100
52) Ethylbenzene	9.571	91	707373	54.991	ug/L	99
53) m,p-Xylene	9.693	106	286719	56.483	ug/L	100
54) o-Xylene	10.102	106	289324	56.577	ug/L	100
55) Styrene	10.115	104	498218	57.189	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	355001	50.933	ug/L	99
59) Bromoform	10.291	173	169814	50.722	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	268849	49.956	ug/L	99
61) Isopropylbenzene	10.484	105	732722	56.806	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	388862	57.199	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	616302	58.964	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	389159	53.815	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	382501	51.811	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	399627	52.459	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	71292	49.623	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	290382	54.040	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	237492	55.944	ug/L	99
71) Naphthalene	14.089	128	728059	59.928	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	246704	56.706	ug/L	97

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

