

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042222\
 Data File : VU048212.D
 Acq On : 22 Apr 2022 09:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050095

Quant Time: Apr 22 21:56:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 02:51:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	324174	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	341972	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	191656	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	100836	42.894	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.780%
7) Chloroethane-d5	1.912	69	86629	46.735	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.480%
11) 1,1-Dichloroethene-d2	2.571	63	181757	42.259	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.520%
21) 2-Butanone-d5	4.620	46	198111	98.185	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.180%
24) Chloroform-d	5.067	84	212032	49.294	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.580%
26) 1,2-Dichloroethane-d4	5.703	65	130364	49.416	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.840%
32) Benzene-d6	5.729	84	419296	48.727	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.460%
36) 1,2-Dichloropropane-d6	6.693	67	139639	52.840	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.680%
41) Toluene-d8	7.899	98	381338	45.485	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.980%
43) trans-1,3-Dichloroprop...	8.179	79	51691	38.609	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.220%
47) 2-Hexanone-d5	8.632	63	136183	88.029	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.030%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	225107	49.635	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.260%
66) 1,2-Dichlorobenzene-d4	12.195	152	164722	48.309	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	111719	37.173	ug/L	100
3) Chloromethane	1.520	50	129250	44.969	ug/L	99
5) Vinyl chloride	1.604	62	132582	45.229	ug/L	97
6) Bromomethane	1.854	94	70076	44.415	ug/L	99
8) Chloroethane	1.935	64	83841	45.562	ug/L	99
9) Trichlorofluoromethane	2.141	101	168732	40.820	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	105838	44.296	ug/L	99
12) 1,1-Dichloroethene	2.581	96	99621	44.800	ug/L	93
13) Acetone	2.623	43	150656	80.235	ug/L	99
14) Carbon disulfide	2.797	76	253390	36.049	ug/L	100
15) Methyl Acetate	2.948	43	172867	57.735	ug/L	96
16) Methylene chloride	3.047	84	147093	57.644	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	111615	46.536	ug/L	94
18) Methyl tert-butyl Ether	3.366	73	382489	56.526	ug/L	98
19) 1,1-Dichloroethane	3.874	63	232007	56.087	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	138997	52.861	ug/L	95
22) 2-Butanone	4.700	43	238025	98.407	ug/L	96
23) Bromochloromethane	4.976	128	79506	55.071	ug/L	96
25) Chloroform	5.089	83	245670	55.163	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	181726	52.816	ug/L	97
29) Cyclohexane	5.391	56	149912	43.201	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	185997	47.967	ug/L	99
31) Carbon tetrachloride	5.526	117	154624	44.160	ug/L	100
33) Benzene	5.777	78	525401	53.079	ug/L	100
34) Trichloroethene	6.542	95	125671	48.427	ug/L	98
35) Methylcyclohexane	6.767	83	156864	39.733	ug/L	97
37) 1,2-Dichloropropane	6.793	63	148287	58.930	ug/L	99
38) Bromodichloromethane	7.108	83	186213	53.889	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	176639	45.241	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	432029	108.630	ug/L	98
42) Toluene	7.970	91	556647	51.252	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	171087	43.887	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	150853	56.526	ug/L	99
46) Tetrachloroethene	8.555	164	100957	43.291	ug/L	99
48) 2-Hexanone	8.684	43	331764	96.979	ug/L	98
49) Dibromochloromethane	8.812	129	161082	52.113	ug/L	99
50) 1,2-Dibromoethane	8.925	107	160308	53.581	ug/L	98
51) Chlorobenzene	9.449	112	377721	51.220	ug/L	98
52) Ethylbenzene	9.571	91	556038	48.690	ug/L	100
53) m,p-Xylene	9.693	106	220506	49.210	ug/L	99
54) o-Xylene	10.102	106	219737	49.964	ug/L	98
55) Styrene	10.115	104	392325	52.250	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	274165	54.798	ug/L	99
59) Bromoform	10.291	173	130549	53.269	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	211663	58.583	ug/L	98
61) Isopropylbenzene	10.484	105	539969	52.130	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	273545	48.673	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	441269	51.691	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	302078	52.469	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	306799	51.448	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	317171	55.058	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	59430	51.351	ug/L	94
69) 1,3,5-Trichlorobenzene	13.217	180	216976	46.405	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	196020	47.863	ug/L	99
71) Naphthalene	14.085	128	610479	49.997	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	211353	51.479	ug/L	99

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

