

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051622\
 Data File : VU048595.D
 Acq On : 16 May 2022 21:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050129

Quant Time: May 17 07:03:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 17 06:52:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	241097	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	236690	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	143702	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	62065	42.030	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.060%
7) Chloroethane-d5	1.912	69	49021	44.310	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.620%
11) 1,1-Dichloroethene-d2	2.571	63	150758	45.142	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.280%
21) 2-Butanone-d5	4.620	46	127362	90.632	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.630%
24) Chloroform-d	5.067	84	177105	47.461	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.920%
26) 1,2-Dichloroethane-d4	5.703	65	123127	46.770	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.540%
32) Benzene-d6	5.729	84	302403	45.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.820%
36) 1,2-Dichloropropane-d6	6.690	67	87643	45.321	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.640%
41) Toluene-d8	7.899	98	294138	47.472	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.940%
43) trans-1,3-Dichloroprop...	8.179	79	53339	43.134	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.260%
47) 2-Hexanone-d5	8.632	63	94388	89.001	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.000%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	146761	45.864	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.720%
66) 1,2-Dichlorobenzene-d4	12.195	152	131279	44.688	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	122633	47.332	ug/L	99
3) Chloromethane	1.523	50	73038	45.688	ug/L	99
5) Vinyl chloride	1.604	62	79079	46.501	ug/L	98
6) Bromomethane	1.854	94	57076	46.490	ug/L	99
8) Chloroethane	1.932	64	48114	48.068	ug/L	100
9) Trichlorofluoromethane	2.141	101	163309	49.191	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	82607	48.797	ug/L	98
12) 1,1-Dichloroethene	2.581	96	74987	47.803	ug/L	97
13) Acetone	2.623	43	90629	79.382	ug/L	99
14) Carbon disulfide	2.797	76	208849	45.879	ug/L	99
15) Methyl Acetate	2.948	43	89675	46.023	ug/L	98
16) Methylene chloride	3.047	84	86773	47.515	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	81446	48.139	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	290215	49.441	ug/L	100
19) 1,1-Dichloroethane	3.870	63	151548	48.927	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	94219	49.381	ug/L	96
22) 2-Butanone	4.700	43	131074	90.420	ug/L	97
23) Bromochloromethane	4.976	128	52292	49.390	ug/L	97
25) Chloroform	5.089	83	178979	49.504	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	154511	49.818	ug/L	99
29) Cyclohexane	5.391	56	115131	47.358	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	177815	49.616	ug/L	98
31) Carbon tetrachloride	5.526	117	161659	49.496	ug/L	98
33) Benzene	5.774	78	340186	49.195	ug/L	100
34) Trichloroethene	6.542	95	93648	47.867	ug/L	98
35) Methylcyclohexane	6.764	83	136095	48.476	ug/L	99
37) 1,2-Dichloropropane	6.790	63	82568	47.753	ug/L	98
38) Bromodichloromethane	7.105	83	137455	49.134	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	144156	48.832	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	250063	94.770	ug/L	99
42) Toluene	7.970	91	375375	49.804	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	151361	48.618	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	89713	48.450	ug/L	98
46) Tetrachloroethene	8.555	164	79510	49.804	ug/L	98
48) 2-Hexanone	8.684	43	206163	91.191	ug/L	98
49) Dibromochloromethane	8.809	129	119910	50.370	ug/L	97
50) 1,2-Dibromoethane	8.925	107	104702	48.996	ug/L	98
51) Chlorobenzene	9.446	112	252785	48.088	ug/L	100
52) Ethylbenzene	9.571	91	418713	48.613	ug/L	99
53) m,p-Xylene	9.693	106	167701	48.449	ug/L	95
54) o-Xylene	10.102	106	163376	49.268	ug/L	95
55) Styrene	10.115	104	287480	49.861	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	156800	48.998	ug/L	98
59) Bromoform	10.291	173	97745	49.483	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	138975	48.764	ug/L	99
61) Isopropylbenzene	10.484	105	443503	50.113	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	250763	49.840	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	386833	49.444	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	216446	47.425	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	221293	46.726	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	220189	47.433	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	51630	46.855	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	165531	45.505	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	146777	44.612	ug/L	99
71) Naphthalene	14.085	128	441680	40.714	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	148643	44.999	ug/L	99

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

