

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052522\
 Data File : VU048661.D
 Acq On : 25 May 2022 10:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050140

Quant Time: May 26 06:45:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 24 02:53:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	216458	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	214113	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	131950	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	47280	35.662	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.320%
7) Chloroethane-d5	1.912	69	39652	39.921	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.840%
11) 1,1-Dichloroethene-d2	2.572	63	130746	43.606	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.220%
21) 2-Butanone-d5	4.623	46	117905	93.452	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.450%
24) Chloroform-d	5.067	84	159942	47.740	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.480%
26) 1,2-Dichloroethane-d4	5.703	65	113003	47.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.620%
32) Benzene-d6	5.729	84	253840	42.598	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.200%
36) 1,2-Dichloropropane-d6	6.694	67	75178	42.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.940%
41) Toluene-d8	7.899	98	238953	42.632	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.260%
43) trans-1,3-Dichloroprop...	8.182	79	48834	43.655	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.300%
47) 2-Hexanone-d5	8.632	63	86475	90.137	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.140%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	132307	45.706	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.420%
66) 1,2-Dichlorobenzene-d4	12.195	152	117144	43.428	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	123597	53.134	ug/L	98
3) Chloromethane	1.523	50	62963	43.868	ug/L	98
5) Vinyl chloride	1.604	62	75054	49.157	ug/L	100
6) Bromomethane	1.855	94	59869	54.316	ug/L	99
8) Chloroethane	1.932	64	45028	50.105	ug/L	98
9) Trichlorofluoromethane	2.141	101	165441	55.506	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	84326	55.482	ug/L	94
12) 1,1-Dichloroethene	2.581	96	75490	53.602	ug/L	96
13) Acetone	2.630	43	119845	116.921	ug/L	100
14) Carbon disulfide	2.793	76	204041	49.925	ug/L	99
15) Methyl Acetate	2.951	43	81571	46.629	ug/L	98
16) Methylene chloride	3.047	84	86313	52.643	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	81998	53.982	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	292234	55.452	ug/L	99
19) 1,1-Dichloroethane	3.871	63	148619	53.443	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	91232	53.258	ug/L	98
22) 2-Butanone	4.703	43	136417	104.817	ug/L	99
23) Bromochloromethane	4.977	128	53308	56.081	ug/L	93
25) Chloroform	5.089	83	183089	56.405	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	158188	56.810	ug/L	99
29) Cyclohexane	5.391	56	112378	51.100	ug/L	97
30) 1,1,1-Trichloroethane	5.317	97	182639	56.336	ug/L	98
31) Carbon tetrachloride	5.526	117	169362	57.322	ug/L	99
33) Benzene	5.777	78	338308	54.082	ug/L	100
34) Trichloroethene	6.543	95	97877	55.304	ug/L	99
35) Methylcyclohexane	6.764	83	134602	52.999	ug/L	99
37) 1,2-Dichloropropane	6.793	63	80629	51.548	ug/L	98
38) Bromodichloromethane	7.108	83	142104	56.152	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	149271	55.896	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	230071	96.387	ug/L	98
42) Toluene	7.970	91	379489	55.659	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	156772	55.666	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	91764	54.784	ug/L	97
46) Tetrachloroethene	8.555	164	83852	58.062	ug/L	96
48) 2-Hexanone	8.684	43	189378	92.599	ug/L	98
49) Dibromochloromethane	8.813	129	126467	58.726	ug/L	100
50) 1,2-Dibromoethane	8.925	107	104445	54.029	ug/L	99
51) Chlorobenzene	9.449	112	259497	54.570	ug/L	99
52) Ethylbenzene	9.571	91	424564	54.490	ug/L	99
53) m,p-Xylene	9.697	106	169660	54.183	ug/L	97
54) o-Xylene	10.102	106	166930	55.648	ug/L	100
55) Styrene	10.115	104	294412	56.448	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.784	83	145655	50.314	ug/L	99
59) Bromoform	10.292	173	100722	55.531	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	131190	50.132	ug/L	96
61) Isopropylbenzene	10.484	105	448677	55.213	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	254461	55.079	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	404801	56.348	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	229671	54.805	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	233482	53.690	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	227053	53.268	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	49208	48.635	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	181492	54.336	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	157438	52.115	ug/L	99
71) Naphthalene	14.089	128	451921	45.368	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	160300	52.850	ug/L	99

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

