

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032422\
 Data File : VU047640.D
 Acq On : 24 Mar 2022 17:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050174

Quant Time: Mar 24 23:29:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 24 23:21:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	361565	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	373284	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	232689	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	108703	41.459	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.920%
7) Chloroethane-d5	1.919	69	89714	43.395	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.780%
11) 1,1-Dichloroethene-d2	2.575	63	212312	44.259	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.520%
21) 2-Butanone-d5	4.639	46	220623	98.034	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.030%
24) Chloroform-d	5.067	84	214949	44.805	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.600%
26) 1,2-Dichloroethane-d4	5.706	65	133249	45.286	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.580%
32) Benzene-d6	5.732	84	426001	45.354	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.700%
36) 1,2-Dichloropropane-d6	6.693	67	134555	46.645	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.300%
41) Toluene-d8	7.899	98	420619	45.962	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.920%
43) trans-1,3-Dichloroprop...	8.182	79	67954	46.499	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.000%
47) 2-Hexanone-d5	8.636	63	168740	99.925	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.920%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	230693	46.600	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	188132	45.445	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	163102	48.657	ug/L	99
3) Chloromethane	1.526	50	152589	47.599	ug/L	99
5) Vinyl chloride	1.607	62	155671	47.614	ug/L	97
6) Bromomethane	1.864	94	91029	51.729	ug/L	98
8) Chloroethane	1.938	64	100683	49.056	ug/L	98
9) Trichlorofluoromethane	2.144	101	217713	47.222	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	126251	47.375	ug/L	97
12) 1,1-Dichloroethene	2.584	96	119676	48.253	ug/L	91
13) Acetone	2.655	43	172963	82.589	ug/L	98
14) Carbon disulfide	2.800	76	378401	48.267	ug/L	100
15) Methyl Acetate	2.957	43	175067	52.423	ug/L	100
16) Methylene chloride	3.051	84	140589	49.398	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	132240	49.433	ug/L	96
18) Methyl tert-butyl Ether	3.369	73	393918	52.195	ug/L	100
19) 1,1-Dichloroethane	3.874	63	231049	50.079	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	147050	50.140	ug/L	95
22) 2-Butanone	4.716	43	268005	99.343	ug/L	98
23) Bromochloromethane	4.980	128	80771	50.162	ug/L	99
25) Chloroform	5.092	83	248705	50.070	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	193668	50.466	ug/L	99
29) Cyclohexane	5.391	56	200752	53.000	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	211971	50.080	ug/L	99
31) Carbon tetrachloride	5.530	117	190518	49.847	ug/L	99
33) Benzene	5.777	78	552686	51.152	ug/L	100
34) Trichloroethene	6.546	95	143109	50.520	ug/L	99
35) Methylcyclohexane	6.764	83	222636	51.662	ug/L	100
37) 1,2-Dichloropropane	6.793	63	141340	51.457	ug/L	99
38) Bromodichloromethane	7.108	83	193964	51.424	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	225168	52.832	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	477932	110.092	ug/L	99
42) Toluene	7.970	91	622418	52.501	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	224571	52.774	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	150024	51.500	ug/L	99
46) Tetrachloroethene	8.555	164	126340	49.631	ug/L	96
48) 2-Hexanone	8.687	43	401253	107.453	ug/L	99
49) Dibromochloromethane	8.812	129	171863	50.937	ug/L	100
50) 1,2-Dibromoethane	8.925	107	171477	52.506	ug/L	97
51) Chlorobenzene	9.449	112	410569	51.004	ug/L	99
52) Ethylbenzene	9.571	91	656280	52.647	ug/L	99
53) m,p-Xylene	9.693	106	261117	53.385	ug/L	98
54) o-Xylene	10.102	106	253522	52.810	ug/L	97
55) Styrene	10.115	104	444400	54.221	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	284380	52.072	ug/L	98
59) Bromoform	10.291	173	149290	50.174	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	225348	51.372	ug/L	99
61) Isopropylbenzene	10.484	105	655192	52.100	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	360723	52.867	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	563912	54.409	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	350544	50.151	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	363202	50.166	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	356279	50.941	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	73962	52.637	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	284851	50.178	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	260857	52.462	ug/L	100
71) Naphthalene	14.085	128	867262	58.502	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	265527	53.269	ug/L	100

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

