

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041223\
 Data File : VU053675.D
 Acq On : 12 Apr 2023 20:29
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050196

Quant Time: Apr 13 01:44:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 13 01:39:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	256121	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	248138	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	136980	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86019	43.132	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.260%
7) Chloroethane-d5	1.906	69	68346	44.448	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.900%
11) 1,1-Dichloroethene-d2	2.565	63	130676	42.329	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.660%
21) 2-Butanone-d5	4.613	46	91050	100.837	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.840%
24) Chloroform-d	5.057	84	141166	42.800	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.697	65	86867	44.571	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.140%
32) Benzene-d6	5.723	84	281560	42.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.080%
36) 1,2-Dichloropropane-d6	6.684	67	88339	43.150	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.300%
41) Toluene-d8	7.893	98	272580	40.945	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.900%
43) trans-1,3-Dichloroprop...	8.173	79	43888	41.530	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.060%
47) 2-Hexanone-d5	8.626	63	72013	103.067	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.070%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	134682	46.676	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.360%
66) 1,2-Dichlorobenzene-d4	12.189	152	110791	38.748	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.500%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	85201	40.986	ug/L	99
3) Chloromethane	1.520	50	87154	51.022	ug/L	98
5) Vinyl chloride	1.601	62	104219	52.646	ug/L	95
6) Bromomethane	1.848	94	60512	42.010	ug/L	96
8) Chloroethane	1.929	64	61579	51.719	ug/L	97
9) Trichlorofluoromethane	2.134	101	143830	47.237	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	77410	43.898	ug/L	92
12) 1,1-Dichloroethene	2.575	96	67381	42.875	ug/L	97
13) Acetone	2.620	43	61705	76.041	ug/L	95
14) Carbon disulfide	2.787	76	175042	42.105	ug/L	96
15) Methyl Acetate	2.941	43	68255	54.915	ug/L	98
16) Methylene chloride	3.041	84	81440	46.104	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	68679	43.483	ug/L	92
18) Methyl tert-butyl Ether	3.356	73	219673	47.717	ug/L	99
19) 1,1-Dichloroethane	3.864	63	129398	49.458	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	81460	44.652	ug/L	89
22) 2-Butanone	4.694	43	97498	99.175	ug/L	96
23) Bromochloromethane	4.967	128	42766	42.085	ug/L	91
25) Chloroform	5.083	83	141824	47.261	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	109097	49.643	ug/L	96
29) Cyclohexane	5.382	56	105341	44.098	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	123131	45.034	ug/L	98
31) Carbon tetrachloride	5.517	117	104149	42.515	ug/L	100
33) Benzene	5.768	78	300873	46.538	ug/L	100
34) Trichloroethene	6.536	95	81685	41.775	ug/L	94
35) Methylcyclohexane	6.758	83	121007	42.100	ug/L	97
37) 1,2-Dichloropropane	6.784	63	79954	48.705	ug/L	98
38) Bromodichloromethane	7.099	83	101753	46.464	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	123917	46.193	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	190349	106.704	ug/L	98
42) Toluene	7.964	91	327562	44.709	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	117808	46.455	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	84105	46.664	ug/L	95
46) Tetrachloroethene	8.549	164	61151	37.686	ug/L	95
48) 2-Hexanone	8.678	43	149806	103.814	ug/L	98
49) Dibromochloromethane	8.806	129	78598	41.940	ug/L	98
50) 1,2-Dibromoethane	8.919	107	90966	45.112	ug/L	99
51) Chlorobenzene	9.443	112	222862	44.149	ug/L	96
52) Ethylbenzene	9.565	91	359399	44.066	ug/L	99
53) m,p-Xylene	9.690	106	139933	43.870	ug/L	100
54) o-Xylene	10.095	106	136556	43.300	ug/L	95
55) Styrene	10.112	104	233772	45.510	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	140446	53.074	ug/L	94
59) Bromoform	10.285	173	57349	40.903	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	108258	54.506	ug/L	97
61) Isopropylbenzene	10.481	105	357951	44.199	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	296999	44.115	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	296882	44.524	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	172748	40.822	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	178926	41.486	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	175731	41.666	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	27895	52.683	ug/L	88
69) 1,3,5-Trichlorobenzene	13.214	180	114076	36.403	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	104224	35.873	ug/L	99
71) Naphthalene	14.082	128	359977	41.394	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	108248	37.302	ug/L	98

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

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