

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040723\
 Data File : VU053605.D
 Acq On : 07 Apr 2023 19:51
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050190

Quant Time: Apr 08 00:03:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	244377	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	229753	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	124696	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	88402	46.457	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.920%
7) Chloroethane-d5	1.906	69	73846	50.333	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.660%
11) 1,1-Dichloroethene-d2	2.565	63	138666	47.076	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.160%
21) 2-Butanone-d5	4.613	46	101437	117.740	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.740%
24) Chloroform-d	5.057	84	150802	47.919	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.840%
26) 1,2-Dichloroethane-d4	5.697	65	92738	49.871	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.740%
32) Benzene-d6	5.722	84	305810	49.311	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.620%
36) 1,2-Dichloropropane-d6	6.684	67	94091	49.637	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.280%
41) Toluene-d8	7.893	98	288129	46.745	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.480%
43) trans-1,3-Dichloroprop...	8.173	79	44989	45.979	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.960%
47) 2-Hexanone-d5	8.626	63	77849	120.336	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.340%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	140898	52.737	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.480%
66) 1,2-Dichlorobenzene-d4	12.188	152	116036	44.580	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	98035	49.426	ug/L	100
3) Chloromethane	1.520	50	95736	58.740	ug/L	97
5) Vinyl chloride	1.604	62	111912	59.248	ug/L	99
6) Bromomethane	1.848	94	71694	52.165	ug/L	99
8) Chloroethane	1.928	64	67014	58.989	ug/L	100
9) Trichlorofluoromethane	2.134	101	158869	54.684	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83279	49.495	ug/L	94
12) 1,1-Dichloroethene	2.578	96	76747	51.181	ug/L	93
13) Acetone	2.616	43	77779	100.455	ug/L	98
14) Carbon disulfide	2.790	76	198999	50.168	ug/L	98
15) Methyl Acetate	2.941	43	74789	63.063	ug/L	97
16) Methylene chloride	3.041	84	88807	52.691	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	78752	52.257	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	246854	56.198	ug/L	99
19) 1,1-Dichloroethane	3.864	63	144096	57.722	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	89607	51.478	ug/L	90
22) 2-Butanone	4.694	43	110126	117.403	ug/L	95
23) Bromochloromethane	4.967	128	47192	48.672	ug/L	90
25) Chloroform	5.083	83	155972	54.474	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	119102	56.800	ug/L	97
29) Cyclohexane	5.385	56	120243	54.364	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	136706	54.000	ug/L	98
31) Carbon tetrachloride	5.520	117	119701	52.774	ug/L	98
33) Benzene	5.768	78	333375	55.692	ug/L	100
34) Trichloroethene	6.536	95	92731	51.219	ug/L	94
35) Methylcyclohexane	6.758	83	139115	52.274	ug/L	99
37) 1,2-Dichloropropane	6.784	63	88195	58.025	ug/L #	96
38) Bromodichloromethane	7.099	83	112686	55.574	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	138895	55.920	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	206322	124.913	ug/L	99
42) Toluene	7.964	91	363636	53.604	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	133205	56.729	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	93370	55.950	ug/L	97
46) Tetrachloroethene	8.549	164	68790	45.786	ug/L	93
48) 2-Hexanone	8.677	43	165840	124.121	ug/L	98
49) Dibromochloromethane	8.806	129	89481	51.567	ug/L	98
50) 1,2-Dibromoethane	8.918	107	100589	53.876	ug/L	98
51) Chlorobenzene	9.443	112	241405	51.649	ug/L	97
52) Ethylbenzene	9.565	91	400586	53.047	ug/L	99
53) m,p-Xylene	9.690	106	158779	53.761	ug/L	98
54) o-Xylene	10.095	106	152028	52.064	ug/L	94
55) Styrene	10.108	104	257701	54.183	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	147301	60.118	ug/L	96
59) Bromoform	10.285	173	62832	49.228	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	113527	62.790	ug/L	98
61) Isopropylbenzene	10.481	105	403771	54.768	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	333447	54.409	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	332335	54.751	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	191434	49.694	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	189402	48.241	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	194531	50.668	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	31481	65.313	ug/L	87
69) 1,3,5-Trichlorobenzene	13.214	180	126192	44.236	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	117511	44.430	ug/L	99
71) Naphthalene	14.082	128	404440	51.089	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	117499	44.478	ug/L	99

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

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