

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031623\
 Data File : VU053240.D
 Acq On : 16 Mar 2023 20:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

Quant Time: Mar 17 02:45:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 17 02:34:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	150703	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	146851	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	77156	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	58013	41.726	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.460%		
7) Chloroethane-d5	1.909	69	49392	43.920	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	87.840%		
11) 1,1-Dichloroethene-d2	2.565	63	105110	43.642	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.280%		
21) 2-Butanone-d5	4.613	46	72244	112.035	ug/L	-0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	112.030%		
24) Chloroform-d	5.057	84	106315	46.427	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.860%		
26) 1,2-Dichloroethane-d4	5.694	65	65901	46.339	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.680%		
32) Benzene-d6	5.722	84	214761	45.088	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.180%		
36) 1,2-Dichloropropane-d6	6.684	67	71717	46.652	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.300%		
41) Toluene-d8	7.893	98	195418	44.066	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.140%		
43) trans-1,3-Dichloroprop...	8.173	79	34065	44.912	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.820%		
47) 2-Hexanone-d5	8.626	63	53913	112.175	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.180%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	98935	49.680	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.360%		
66) 1,2-Dichlorobenzene-d4	12.188	152	67373	45.097	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	76489	48.625	ug/L	98
3) Chloromethane	1.520	50	70539	48.665	ug/L	99
5) Vinyl chloride	1.604	62	78725	49.650	ug/L	100
6) Bromomethane	1.851	94	46440	48.725	ug/L	95
8) Chloroethane	1.932	64	46763	49.929	ug/L	97
9) Trichlorofluoromethane	2.137	101	95595	48.321	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	53655	44.834	ug/L	97
12) 1,1-Dichloroethene	2.578	96	50860	45.954	ug/L	94
13) Acetone	2.616	43	63434	86.373	ug/L	97
14) Carbon disulfide	2.790	76	153730	45.860	ug/L	98
15) Methyl Acetate	2.938	43	54221	53.863	ug/L	99
16) Methylene chloride	3.041	84	62774	46.753	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	53312	47.475	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	187159	49.565	ug/L	100
19) 1,1-Dichloroethane	3.861	63	112502	49.079	ug/L	100
20) cis-1,2-Dichloroethene	4.658	96	64012	48.532	ug/L	98
22) 2-Butanone	4.690	43	83840	100.203	ug/L	96
23) Bromochloromethane	4.967	128	29627	47.109	ug/L	93
25) Chloroform	5.083	83	111583	48.645	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	88788	49.034	ug/L	99
29) Cyclohexane	5.382	56	100969	46.143	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	93012	46.467	ug/L	99
31) Carbon tetrachloride	5.520	117	75370	45.960	ug/L	99
33) Benzene	5.767	78	246130	48.344	ug/L	100
34) Trichloroethene	6.536	95	61950	46.667	ug/L	100
35) Methylcyclohexane	6.758	83	105129	45.179	ug/L	99
37) 1,2-Dichloropropane	6.784	63	69979	49.266	ug/L	100
38) Bromodichloromethane	7.099	83	82757	46.817	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	110582	47.385	ug/L	99
40) 4-Methyl-2-pentanone	7.783	43	158930	108.858	ug/L	99
42) Toluene	7.964	91	260130	47.526	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	101558	47.608	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	61565	47.600	ug/L	99
46) Tetrachloroethene	8.549	164	39430	45.655	ug/L	99
48) 2-Hexanone	8.677	43	124503	101.837	ug/L	100
49) Dibromochloromethane	8.803	129	60024	45.368	ug/L	96
50) 1,2-Dibromoethane	8.918	107	67534	49.003	ug/L	98
51) Chlorobenzene	9.443	112	160591	47.076	ug/L	99
52) Ethylbenzene	9.565	91	290285	46.767	ug/L	100
53) m,p-Xylene	9.687	106	109423	47.233	ug/L	99
54) o-Xylene	10.095	106	106495	46.478	ug/L	99
55) Styrene	10.108	104	181131	47.432	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	106834	50.381	ug/L	97
59) Bromoform	10.285	173	41013	46.710	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	79552	51.887	ug/L	99
61) Isopropylbenzene	10.478	105	287226	47.116	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	234651	46.501	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	229187	46.595	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	115718	45.261	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	119323	46.490	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	116541	45.606	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	21971	51.823	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	72939	44.997	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	68633	47.123	ug/L	97
71) Naphthalene	14.082	128	270675	55.137	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	70867	51.308	ug/L	98

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

