

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053559.D
 Acq On : 04 Apr 2023 14:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050183

Quant Time: Apr 04 23:09:56 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	267014	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	253603	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	138990	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	80871	38.896	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.800%
7) Chloroethane-d5	1.909	69	71471	44.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.160%
11) 1,1-Dichloroethene-d2	2.565	63	138666	43.085	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.160%
21) 2-Butanone-d5	4.613	46	106384	113.013	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.010%
24) Chloroform-d	5.057	84	156710	45.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.140%
26) 1,2-Dichloroethane-d4	5.694	65	97674	48.072	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.140%
32) Benzene-d6	5.723	84	305641	44.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.300%
36) 1,2-Dichloropropane-d6	6.684	67	97044	46.381	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.760%
41) Toluene-d8	7.893	98	293287	43.107	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.220%
43) trans-1,3-Dichloroprop...	8.173	79	51080	47.294	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.580%
47) 2-Hexanone-d5	8.626	63	83284	116.630	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.630%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	147711	50.088	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.180%
66) 1,2-Dichlorobenzene-d4	12.189	152	125578	43.285	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	101867	47.004	ug/L	99
3) Chloromethane	1.520	50	97138	54.547	ug/L	94
5) Vinyl chloride	1.604	62	111279	53.919	ug/L	99
6) Bromomethane	1.851	94	69060	45.989	ug/L	96
8) Chloroethane	1.928	64	65842	53.044	ug/L	97
9) Trichlorofluoromethane	2.137	101	156794	49.394	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	87187	47.425	ug/L	93
12) 1,1-Dichloroethene	2.575	96	77862	47.523	ug/L	95
13) Acetone	2.617	43	75592	89.354	ug/L	97
14) Carbon disulfide	2.790	76	205277	47.364	ug/L	97
15) Methyl Acetate	2.941	43	72809	56.189	ug/L	94
16) Methylene chloride	3.041	84	87344	47.429	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	79258	48.134	ug/L	99
18) Methyl tert-butyl Ether	3.356	73	248594	51.796	ug/L	99
19) 1,1-Dichloroethane	3.861	63	142544	52.260	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	93199	49.003	ug/L	94
22) 2-Butanone	4.690	43	105176	102.620	ug/L	94
23) Bromochloromethane	4.967	128	47783	45.104	ug/L	93
25) Chloroform	5.083	83	155540	49.717	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	117597	51.327	ug/L	96
29) Cyclohexane	5.382	56	123758	50.691	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	135184	48.377	ug/L	98
31) Carbon tetrachloride	5.520	117	117293	46.849	ug/L	99
33) Benzene	5.768	78	331198	50.125	ug/L	100
34) Trichloroethene	6.536	95	94489	47.281	ug/L	96
35) Methylcyclohexane	6.758	83	143427	48.825	ug/L	99
37) 1,2-Dichloropropane	6.784	63	85188	50.775	ug/L	99
38) Bromodichloromethane	7.099	83	110430	49.339	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	135098	49.276	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	197446	108.297	ug/L	98
42) Toluene	7.964	91	363592	48.557	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	131131	50.594	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	90380	49.065	ug/L	98
46) Tetrachloroethene	8.549	164	71063	42.851	ug/L	96
48) 2-Hexanone	8.677	43	157576	106.845	ug/L	98
49) Dibromochloromethane	8.806	129	87189	45.521	ug/L	99
50) 1,2-Dibromoethane	8.919	107	99641	48.349	ug/L	100
51) Chlorobenzene	9.443	112	239185	46.361	ug/L	95
52) Ethylbenzene	9.565	91	407574	48.896	ug/L	100
53) m,p-Xylene	9.690	106	158798	48.711	ug/L	96
54) o-xylene	10.095	106	155083	48.115	ug/L	95
55) Styrene	10.108	104	259560	49.441	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	139244	51.485	ug/L	98
59) Bromoform	10.285	173	63152	44.390	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	113605	56.371	ug/L	98
61) Isopropylbenzene	10.478	105	409591	49.844	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	343192	50.240	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	339586	50.192	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	191017	44.486	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	198185	45.287	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	192041	44.875	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	29377	54.680	ug/L	85
69) 1,3,5-Trichlorobenzene	13.214	180	131696	41.418	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	122964	41.711	ug/L	99
71) Naphthalene	14.079	128	405764	45.985	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	123776	42.036	ug/L	97

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

