

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031623\
 Data File : VU053253.D
 Acq On : 17 Mar 2023 02:08
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050163

Quant Time: Mar 17 04:33:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 17 04:28:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	135528	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	130943	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	68029	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	58804	47.031	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.060%
7) Chloroethane-d5	1.909	69	47419	46.886	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.780%
11) 1,1-Dichloroethene-d2	2.565	63	102962	47.537	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.080%
21) 2-Butanone-d5	4.613	46	68050	117.347	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.350%
24) Chloroform-d	5.057	84	102744	49.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.780%
26) 1,2-Dichloroethane-d4	5.694	65	64777	50.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.300%
32) Benzene-d6	5.723	84	207179	48.780	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.560%
36) 1,2-Dichloropropane-d6	6.684	67	68380	49.885	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.760%
41) Toluene-d8	7.893	98	188038	47.553	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.100%
43) trans-1,3-Dichloroprop...	8.173	79	31438	46.484	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.960%
47) 2-Hexanone-d5	8.626	63	49219	114.850	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.850%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	92709	52.209	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.420%
66) 1,2-Dichlorobenzene-d4	12.189	152	63679	48.343	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	69158	48.887	ug/L	100
3) Chloromethane	1.517	50	66469	50.992	ug/L	100
5) Vinyl chloride	1.604	62	73070	51.243	ug/L	100
6) Bromomethane	1.851	94	41983	48.980	ug/L	97
8) Chloroethane	1.932	64	43550	51.704	ug/L	99
9) Trichlorofluoromethane	2.138	101	88265	49.611	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	50727	47.134	ug/L	96
12) 1,1-Dichloroethene	2.578	96	47170	47.392	ug/L	95
13) Acetone	2.620	43	45811	69.362	ug/L	98
14) Carbon disulfide	2.790	76	141326	46.880	ug/L	99
15) Methyl Acetate	2.941	43	53153	58.715	ug/L	98
16) Methylene chloride	3.041	84	58217	48.214	ug/L	96
17) trans-1,2-Dichloroethene	3.346	96	49109	48.629	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	176513	51.980	ug/L	99
19) 1,1-Dichloroethane	3.864	63	104918	50.895	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	59272	49.970	ug/L	100
22) 2-Butanone	4.694	43	72223	95.984	ug/L	97
23) Bromochloromethane	4.967	128	27748	49.062	ug/L	90
25) Chloroform	5.083	83	104505	50.661	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	84256	51.742	ug/L	100
29) Cyclohexane	5.382	56	95463	48.927	ug/L	98
30) 1,1,1-Trichloroethane	5.308	97	87248	48.883	ug/L	98
31) Carbon tetrachloride	5.520	117	70774	48.401	ug/L	100
33) Benzene	5.768	78	231850	51.072	ug/L	100
34) Trichloroethene	6.536	95	57991	48.992	ug/L	97
35) Methylcyclohexane	6.758	83	96809	46.658	ug/L	99
37) 1,2-Dichloropropane	6.787	63	66314	52.358	ug/L	100
38) Bromodichloromethane	7.099	83	79806	50.632	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	100607	48.348	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	144599	111.075	ug/L	99
42) Toluene	7.964	91	238773	48.924	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	91798	48.261	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	59838	51.885	ug/L	98
46) Tetrachloroethene	8.549	164	35117	45.600	ug/L	97
48) 2-Hexanone	8.677	43	111887	102.636	ug/L	99
49) Dibromochloromethane	8.806	129	55692	47.207	ug/L	94
50) 1,2-Dibromoethane	8.919	107	62604	50.945	ug/L	96
51) Chlorobenzene	9.443	112	146461	48.150	ug/L	98
52) Ethylbenzene	9.565	91	268317	48.480	ug/L	99
53) m,p-Xylene	9.690	106	102063	49.408	ug/L	95
54) o-Xylene	10.095	106	100113	49.001	ug/L	99
55) Styrene	10.108	104	168086	49.363	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	95898	50.718	ug/L	98
59) Bromoform	10.285	173	36188	46.744	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	73184	54.138	ug/L	99
61) Isopropylbenzene	10.478	105	262563	48.849	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	214577	48.228	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	208737	48.131	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	104597	46.400	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	105404	46.576	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	108004	47.936	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	20278	54.247	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	66696	46.666	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	61477	47.872	ug/L	99
71) Naphthalene	14.079	128	232424	53.698	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	61678	50.646	ug/L	99

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

