

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032323\
 Data File : VU053366.D
 Acq On : 23 Mar 2023 09:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050173

Quant Time: Mar 24 12:19:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	119313	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	115997	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	58083	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	44689	40.599	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.200%		
7) Chloroethane-d5	1.912	69	40597	45.596	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.200%		
11) 1,1-Dichloroethene-d2	2.568	63	80300	42.112	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.220%		
21) 2-Butanone-d5	4.620	46	58702	114.984	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	114.980%		
24) Chloroform-d	5.060	84	83608	46.117	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.240%		
26) 1,2-Dichloroethane-d4	5.697	65	52689	46.796	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.600%		
32) Benzene-d6	5.726	84	164063	43.606	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.220%		
36) 1,2-Dichloropropane-d6	6.687	67	54637	44.995	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.980%		
41) Toluene-d8	7.893	98	149266	42.612	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.220%		
43) trans-1,3-Dichloroprop...	8.176	79	26582	44.369	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.740%		
47) 2-Hexanone-d5	8.629	63	37690	99.280	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.280%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	80463	51.152	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.300%		
66) 1,2-Dichlorobenzene-d4	12.189	152	52442	46.630	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.260%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	59472	47.754	ug/L	99
3) Chloromethane	1.520	50	56544	49.273	ug/L	100
5) Vinyl chloride	1.604	62	60521	48.211	ug/L	100
6) Bromomethane	1.858	94	39677	52.581	ug/L	97
8) Chloroethane	1.932	64	39507	53.279	ug/L	97
9) Trichlorofluoromethane	2.137	101	75941	48.485	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	46119	48.676	ug/L	99
12) 1,1-Dichloroethene	2.578	96	40102	45.767	ug/L	94
13) Acetone	2.629	43	65606	112.833	ug/L	96
14) Carbon disulfide	2.793	76	119757	45.124	ug/L	100
15) Methyl Acetate	2.945	43	46334	58.138	ug/L	98
16) Methylene chloride	3.044	84	49854	46.899	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	42448	47.745	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	147849	49.456	ug/L	99
19) 1,1-Dichloroethane	3.864	63	89407	49.265	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	50257	48.128	ug/L	98
22) 2-Butanone	4.700	43	79826	120.506	ug/L	96
23) Bromochloromethane	4.970	128	23428	47.053	ug/L	86
25) Chloroform	5.083	83	89795	49.446	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	72422	50.519	ug/L	100
29) Cyclohexane	5.385	56	78996	45.704	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	74613	47.190	ug/L	97
31) Carbon tetrachloride	5.520	117	60957	47.059	ug/L	99
33) Benzene	5.771	78	197893	49.209	ug/L	100
34) Trichloroethene	6.539	95	49321	47.036	ug/L	98
35) Methylcyclohexane	6.761	83	86032	46.806	ug/L	100
37) 1,2-Dichloropropane	6.787	63	56259	50.142	ug/L	100
38) Bromodichloromethane	7.102	83	66408	47.560	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	88457	47.987	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	131729	114.226	ug/L	97
42) Toluene	7.967	91	208371	48.196	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	81843	48.571	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	50318	49.252	ug/L	98
46) Tetrachloroethene	8.549	164	31649	46.392	ug/L	97
48) 2-Hexanone	8.681	43	110719	114.651	ug/L	99
49) Dibromochloromethane	8.806	129	46947	44.922	ug/L	100
50) 1,2-Dibromoethane	8.919	107	54814	50.353	ug/L	98
51) Chlorobenzene	9.443	112	130615	48.473	ug/L	98
52) Ethylbenzene	9.565	91	236918	48.322	ug/L	99
53) m,p-Xylene	9.690	106	89079	48.679	ug/L	99
54) o-Xylene	10.099	106	86144	47.596	ug/L	97
55) Styrene	10.111	104	148768	49.319	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	88310	52.722	ug/L	99
59) Bromoform	10.288	173	30446	46.062	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	66711	57.800	ug/L	98
61) Isopropylbenzene	10.481	105	231941	50.541	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	187998	49.490	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	183153	49.464	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	95467	49.602	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	97036	50.221	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	95882	49.843	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	17876	56.010	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	61767	50.618	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	55228	50.370	ug/L	98
71) Naphthalene	14.082	128	193310	52.309	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	54430	52.348	ug/L	97

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

