

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032223\
 Data File : VU053340.D
 Acq On : 22 Mar 2023 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050171

Quant Time: Mar 23 02:33:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 22 03:08:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	116203	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	112053	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	54085	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	43723	40.785	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.560%
7) Chloroethane-d5	1.912	69	45052	51.954	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.900%
11) 1,1-Dichloroethene-d2	2.568	63	78470	42.254	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.500%
21) 2-Butanone-d5	4.620	46	52824	106.240	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.240%
24) Chloroform-d	5.057	84	78201	44.289	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.580%
26) 1,2-Dichloroethane-d4	5.697	65	50233	45.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.620%
32) Benzene-d6	5.723	84	158036	43.483	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.960%
36) 1,2-Dichloropropane-d6	6.684	67	52561	44.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.620%
41) Toluene-d8	7.893	98	145363	42.958	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.920%
43) trans-1,3-Dichloroprop...	8.176	79	25881	44.719	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.440%
47) 2-Hexanone-d5	8.629	63	34475	94.007	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.010%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	74913	49.300	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	49150	46.933	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	48118	39.671	ug/L	99
3) Chloromethane	1.520	50	46045	41.198	ug/L	100
5) Vinyl chloride	1.604	62	50321	41.159	ug/L	100
6) Bromomethane	1.858	94	33596	45.714	ug/L	96
8) Chloroethane	1.932	64	38444	53.233	ug/L	97
9) Trichlorofluoromethane	2.138	101	64737	42.438	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	39781	43.110	ug/L	97
12) 1,1-Dichloroethene	2.578	96	34394	40.303	ug/L	92
13) Acetone	2.633	43	54833	96.829	ug/L	98
14) Carbon disulfide	2.793	76	99567	38.521	ug/L	99
15) Methyl Acetate	2.945	43	38394	49.465	ug/L	98
16) Methylene chloride	3.044	84	40954	39.558	ug/L	94
17) trans-1,2-Dichloroethene	3.350	96	36096	41.687	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	127551	43.808	ug/L	98
19) 1,1-Dichloroethane	3.864	63	78022	44.142	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	44114	43.376	ug/L	99
22) 2-Butanone	4.700	43	67288	104.297	ug/L	96
23) Bromochloromethane	4.970	128	20915	43.130	ug/L	91
25) Chloroform	5.083	83	78473	44.368	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	66138	47.370	ug/L	98
29) Cyclohexane	5.385	56	71297	42.702	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	64785	42.417	ug/L	96
31) Carbon tetrachloride	5.520	117	53589	42.827	ug/L	99
33) Benzene	5.771	78	173208	44.586	ug/L	100
34) Trichloroethene	6.539	95	44015	43.453	ug/L	97
35) Methylcyclohexane	6.758	83	77252	43.509	ug/L	98
37) 1,2-Dichloropropane	6.784	63	50359	46.464	ug/L	99
38) Bromodichloromethane	7.099	83	58348	43.259	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	79551	44.674	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	113803	102.155	ug/L	99
42) Toluene	7.964	91	187370	44.864	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	74006	45.466	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	45807	46.415	ug/L	98
46) Tetrachloroethene	8.549	164	27658	41.969	ug/L	96
48) 2-Hexanone	8.681	43	98110	105.170	ug/L	99
49) Dibromochloromethane	8.806	129	40930	40.543	ug/L	97
50) 1,2-Dibromoethane	8.919	107	46392	44.116	ug/L	93
51) Chlorobenzene	9.443	112	117605	45.181	ug/L	98
52) Ethylbenzene	9.565	91	213607	45.101	ug/L	99
53) m,p-Xylene	9.690	106	79280	44.849	ug/L	99
54) o-Xylene	10.095	106	77832	44.518	ug/L	99
55) Styrene	10.111	104	133197	45.711	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	79881	49.369	ug/L	97
59) Bromoform	10.285	173	27117	44.058	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	61569	57.288	ug/L	97
61) Isopropylbenzene	10.478	105	209855	49.108	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	168824	47.727	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	164545	47.723	ug/L	100
64) 1,3-Dichlorobenzene	11.738	146	85456	47.682	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	87492	48.629	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	85124	47.521	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	16112	54.215	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	54869	48.289	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	47384	46.411	ug/L	99
71) Naphthalene	14.082	128	173685	50.472	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	47690	49.256	ug/L	98

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

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