

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031623\
 Data File : VU053216.D
 Acq On : 16 Mar 2023 10:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050161

Quant Time: Mar 17 02:32:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	159704	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	156416	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	83968	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	66307	45.004	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.000%
7) Chloroethane-d5	1.913	69	67012	56.229	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.460%
11) 1,1-Dichloroethene-d2	2.565	63	121154	47.468	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.940%
21) 2-Butanone-d5	4.626	46	69020	101.002	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.000%
24) Chloroform-d	5.057	84	116446	47.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.980%
26) 1,2-Dichloroethane-d4	5.697	65	71312	47.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.640%
32) Benzene-d6	5.723	84	233794	46.082	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.160%
36) 1,2-Dichloropropane-d6	6.684	67	77728	47.470	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.940%
41) Toluene-d8	7.893	98	215962	45.721	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.440%
43) trans-1,3-Dichloroprop...	8.176	79	37055	45.867	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.740%
47) 2-Hexanone-d5	8.636	63	53958	105.404	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.400%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	109246	51.503	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	76760	47.212	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	88803	53.271	ug/L	100
3) Chloromethane	1.520	50	80905	52.671	ug/L	100
5) Vinyl chloride	1.604	62	86815	51.666	ug/L	97
6) Bromomethane	1.858	94	51396	50.885	ug/L	98
8) Chloroethane	1.932	64	63650	64.128	ug/L	98
9) Trichlorofluoromethane	2.134	101	112315	53.572	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	66406	52.362	ug/L	98
12) 1,1-Dichloroethene	2.578	96	58581	49.947	ug/L	93
13) Acetone	2.636	43	79927	102.697	ug/L	99
14) Carbon disulfide	2.790	76	182020	51.239	ug/L	100
15) Methyl Acetate	2.948	43	55956	52.454	ug/L	100
16) Methylene chloride	3.041	84	72123	50.689	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	60458	50.804	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	208080	52.000	ug/L	99
19) 1,1-Dichloroethane	3.864	63	123188	50.712	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	72995	52.224	ug/L	98
22) 2-Butanone	4.707	43	95349	107.536	ug/L	99
23) Bromochloromethane	4.970	128	33294	49.956	ug/L	95
25) Chloroform	5.083	83	124212	51.099	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	97563	50.844	ug/L	98
29) Cyclohexane	5.385	56	118666	50.915	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	105432	49.451	ug/L	98
31) Carbon tetrachloride	5.520	117	87220	49.934	ug/L	100
33) Benzene	5.771	78	274622	50.642	ug/L	100
34) Trichloroethene	6.539	95	71076	50.267	ug/L	98
35) Methylcyclohexane	6.758	83	125821	50.765	ug/L	99
37) 1,2-Dichloropropane	6.787	63	77778	51.409	ug/L	100
38) Bromodichloromethane	7.102	83	94283	50.075	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	126797	51.011	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	164043	105.489	ug/L	99
42) Toluene	7.964	91	296497	50.858	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	115430	50.802	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	71246	51.716	ug/L	97
46) Tetrachloroethene	8.549	164	46386	50.424	ug/L	97
48) 2-Hexanone	8.687	43	136582	104.885	ug/L	98
49) Dibromochloromethane	8.806	129	70493	50.022	ug/L	97
50) 1,2-Dibromoethane	8.919	107	75253	51.265	ug/L	99
51) Chlorobenzene	9.443	112	185854	51.150	ug/L	99
52) Ethylbenzene	9.568	91	338644	51.222	ug/L	99
53) m,p-Xylene	9.690	106	126596	51.304	ug/L	98
54) o-Xylene	10.095	106	126506	51.835	ug/L	99
55) Styrene	10.112	104	213597	52.513	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	121580	53.829	ug/L	97
59) Bromoform	10.288	173	48572	50.831	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	88105	52.804	ug/L	99
61) Isopropylbenzene	10.481	105	341151	51.421	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	281833	51.320	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	276799	51.710	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	140717	50.574	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	142815	51.128	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	142537	51.254	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	23553	51.048	ug/L	94
69) 1,3,5-Trichlorobenzene	13.214	180	92091	52.204	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	80358	50.697	ug/L	99
71) Naphthalene	14.082	128	287954	53.899	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	76806	51.096	ug/L	99

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

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