

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032123\
 Data File : VU053338.D
 Acq On : 21 Mar 2023 20:41
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

Quant Time: Mar 22 03:14:17 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	6.244	114	117537	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	110459	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	56937	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	46141	42.552	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.100%
7) Chloroethane-d5	1.909	69	41808	47.666	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.340%
11) 1,1-Dichloroethene-d2	2.565	63	76919	40.949	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.900%
21) 2-Butanone-d5	4.617	46	52401	104.193	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.190%
24) Chloroform-d	5.057	84	77567	43.431	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.860%
26) 1,2-Dichloroethane-d4	5.697	65	51418	46.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
32) Benzene-d6	5.723	84	159994	44.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.320%
36) 1,2-Dichloropropane-d6	6.684	67	52952	45.793	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.580%
41) Toluene-d8	7.893	98	148078	44.392	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.780%
43) trans-1,3-Dichloroprop...	8.173	79	25518	44.728	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.460%
47) 2-Hexanone-d5	8.626	63	36127	99.934	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.930%
56) 1,1,2,2-Tetrachloroeth...	10.748	84	74892	49.997	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.000%
66) 1,2-Dichlorobenzene-d4	12.189	152	52397	47.527	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	46586	37.972	ug/L	100
3) Chloromethane	1.517	50	45658	40.388	ug/L	99
5) Vinyl chloride	1.604	62	51262	41.452	ug/L	98
6) Bromomethane	1.855	94	37131	49.951	ug/L	96
8) Chloroethane	1.932	64	34296	46.950	ug/L	100
9) Trichlorofluoromethane	2.138	101	62980	40.818	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	36053	38.627	ug/L	97
12) 1,1-Dichloroethene	2.578	96	32836	38.040	ug/L	97
13) Acetone	2.630	43	39613	69.158	ug/L	95
14) Carbon disulfide	2.790	76	92656	35.440	ug/L	99
15) Methyl Acetate	2.945	43	39015	49.694	ug/L	98
16) Methylene chloride	3.041	84	42310	40.404	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	35268	40.269	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	126729	43.031	ug/L	98
19) 1,1-Dichloroethane	3.864	63	74127	41.463	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	42068	40.895	ug/L	93
22) 2-Butanone	4.697	43	57681	88.392	ug/L	99
23) Bromochloromethane	4.967	128	20247	41.279	ug/L	89
25) Chloroform	5.080	83	77860	43.521	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	64962	46.000	ug/L	97
29) Cyclohexane	5.385	56	64806	39.374	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	62371	41.425	ug/L	96
31) Carbon tetrachloride	5.520	117	50327	40.800	ug/L	99
33) Benzene	5.768	78	170469	44.515	ug/L	100
34) Trichloroethene	6.536	95	42723	42.786	ug/L	97
35) Methylcyclohexane	6.758	83	68811	39.314	ug/L	98
37) 1,2-Dichloropropane	6.787	63	49234	46.081	ug/L	99
38) Bromodichloromethane	7.099	83	58282	43.833	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	73721	41.998	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	116633	106.207	ug/L	99
42) Toluene	7.964	91	181041	43.974	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	71377	44.483	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	45266	46.529	ug/L	98
46) Tetrachloroethene	8.549	164	26420	40.669	ug/L	91
48) 2-Hexanone	8.678	43	92206	100.268	ug/L	98
49) Dibromochloromethane	8.803	129	41114	41.313	ug/L	97
50) 1,2-Dibromoethane	8.919	107	46355	44.717	ug/L	95
51) Chlorobenzene	9.443	112	114101	44.467	ug/L	99
52) Ethylbenzene	9.565	91	201539	43.167	ug/L	99
53) m,p-Xylene	9.690	106	75879	43.544	ug/L	100
54) o-Xylene	10.095	106	74938	43.481	ug/L	100
55) Styrene	10.108	104	125775	43.787	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	78893	49.462	ug/L	98
59) Bromoform	10.285	173	26805	41.369	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	61176	54.071	ug/L	96
61) Isopropylbenzene	10.478	105	199040	44.244	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	159868	42.932	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	154942	42.687	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	81694	43.300	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	80874	42.699	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	81866	43.413	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	15892	50.796	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	50068	41.856	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	43313	40.299	ug/L	98
71) Naphthalene	14.079	128	171395	47.312	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	44856	44.008	ug/L	99

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

