

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040423\
 Data File : VU053551.D
 Acq On : 04 Apr 2023 10:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050182

Quant Time: Apr 04 11:00:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	243707	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	228085	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	122070	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	92351	48.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.340%
7) Chloroethane-d5	1.909	69	78212	53.455	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.900%
11) 1,1-Dichloroethene-d2	2.568	63	151123	51.446	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.900%
21) 2-Butanone-d5	4.616	46	106234	123.647	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.650%
24) Chloroform-d	5.057	84	171181	54.544	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.080%
26) 1,2-Dichloroethane-d4	5.697	65	105172	56.713	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.420%
32) Benzene-d6	5.722	84	336570	54.668	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.340%
36) 1,2-Dichloropropane-d6	6.684	67	104827	55.706	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.420%
41) Toluene-d8	7.893	98	317492	51.885	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.760%
43) trans-1,3-Dichloroprop...	8.176	79	53059	54.623	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.240%
47) 2-Hexanone-d5	8.626	63	83914	130.659	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.660%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	151887	57.266	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.540%
66) 1,2-Dichlorobenzene-d4	12.188	152	128668	50.497	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	107630	54.413	ug/L	99
3) Chloromethane	1.520	50	99174	61.016	ug/L	99
5) Vinyl chloride	1.604	62	112295	59.615	ug/L	98
6) Bromomethane	1.854	94	71929	52.480	ug/L	98
8) Chloroethane	1.932	64	67146	59.267	ug/L	97
9) Trichlorofluoromethane	2.137	101	163077	56.286	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	90957	54.207	ug/L	93
12) 1,1-Dichloroethene	2.578	96	78820	52.708	ug/L	99
13) Acetone	2.623	43	92154	119.349	ug/L	99
14) Carbon disulfide	2.790	76	208144	52.618	ug/L	97
15) Methyl Acetate	2.944	43	70989	60.023	ug/L	97
16) Methylene chloride	3.041	84	87237	51.902	ug/L	98
17) trans-1,2-Dichloroethene	3.349	96	80298	53.429	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	249926	57.053	ug/L	99
19) 1,1-Dichloroethane	3.867	63	143424	57.611	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	92553	53.317	ug/L	92
22) 2-Butanone	4.697	43	111026	118.688	ug/L	97
23) Bromochloromethane	4.970	128	48857	50.528	ug/L	94
25) Chloroform	5.083	83	160200	56.104	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	116068	55.505	ug/L	97
29) Cyclohexane	5.385	56	124846	56.858	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	137210	54.595	ug/L	98
31) Carbon tetrachloride	5.520	117	120186	53.375	ug/L	99
33) Benzene	5.771	78	328024	55.199	ug/L	100
34) Trichloroethene	6.536	95	98255	54.667	ug/L	93
35) Methylcyclohexane	6.761	83	150104	56.815	ug/L	98
37) 1,2-Dichloropropane	6.787	63	86432	57.281	ug/L	99
38) Bromodichloromethane	7.102	83	113027	56.149	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	147588	59.854	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	195034	118.942	ug/L	99
42) Toluene	7.967	91	366329	54.396	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	135073	57.946	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	90684	54.738	ug/L	97
46) Tetrachloroethene	8.552	164	74586	50.007	ug/L	96
48) 2-Hexanone	8.677	43	158394	119.415	ug/L	98
49) Dibromochloromethane	8.806	129	88246	51.228	ug/L	98
50) 1,2-Dibromoethane	8.918	107	99724	53.803	ug/L	96
51) Chlorobenzene	9.442	112	242674	52.300	ug/L	97
52) Ethylbenzene	9.568	91	407928	54.414	ug/L	100
53) m,p-Xylene	9.690	106	160231	54.650	ug/L	98
54) o-xylene	10.095	106	155911	53.784	ug/L	97
55) Styrene	10.111	104	256899	54.409	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	137508	56.532	ug/L	99
59) Bromoform	10.288	173	61731	49.406	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	109251	61.725	ug/L	98
61) Isopropylbenzene	10.481	105	410551	56.886	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	346909	57.823	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	340066	57.229	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	192793	51.123	ug/L	95
65) 1,4-Dichlorobenzene	11.831	146	197702	51.438	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	190525	50.692	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	28844	61.129	ug/L	86
69) 1,3,5-Trichlorobenzene	13.214	180	134510	48.166	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	128398	49.591	ug/L	99
71) Naphthalene	14.082	128	406624	52.470	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	124021	47.957	ug/L	99

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

