

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053549.D
 Acq On : 04 Apr 2023 03:54
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050181

Quant Time: Apr 04 06:55:42 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	267751	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	252301	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	135336	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	102500	49.164	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.320%
7) Chloroethane-d5	1.909	69	83309	51.825	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.660%
11) 1,1-Dichloroethene-d2	2.565	63	159797	49.514	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.020%
21) 2-Butanone-d5	4.610	46	112479	119.159	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.160%
24) Chloroform-d	5.057	84	175987	51.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.080%
26) 1,2-Dichloroethane-d4	5.693	65	108428	53.218	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.440%
32) Benzene-d6	5.722	84	346925	50.941	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.880%
36) 1,2-Dichloropropane-d6	6.684	67	110741	53.200	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.400%
41) Toluene-d8	7.893	98	330560	48.836	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.680%
43) trans-1,3-Dichloroprop...	8.176	79	54105	50.354	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.700%
47) 2-Hexanone-d5	8.626	63	87019	122.489	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.490%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	157352	53.632	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.260%
66) 1,2-Dichlorobenzene-d4	12.188	152	135699	48.036	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	111642	51.373	ug/L	98
3) Chloromethane	1.520	50	103847	58.154	ug/L	99
5) Vinyl chloride	1.604	62	119000	57.501	ug/L	98
6) Bromomethane	1.851	94	75891	50.398	ug/L	97
8) Chloroethane	1.932	64	73419	58.985	ug/L	97
9) Trichlorofluoromethane	2.137	101	171101	53.753	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	90460	49.070	ug/L	93
12) 1,1-Dichloroethene	2.578	96	84244	51.276	ug/L	98
13) Acetone	2.616	43	67958	80.109	ug/L	95
14) Carbon disulfide	2.790	76	230707	53.085	ug/L	96
15) Methyl Acetate	2.941	43	79250	60.991	ug/L	96
16) Methylene chloride	3.041	84	95624	51.783	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	88025	53.311	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	275730	57.292	ug/L	100
19) 1,1-Dichloroethane	3.864	63	157891	57.727	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	103464	54.250	ug/L	94
22) 2-Butanone	4.694	43	107115	104.225	ug/L	96
23) Bromochloromethane	4.967	128	54190	51.011	ug/L	94
25) Chloroform	5.083	83	171537	54.680	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	130559	56.828	ug/L	94
29) Cyclohexane	5.385	56	131411	54.104	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	148234	53.321	ug/L	99
31) Carbon tetrachloride	5.520	117	127297	51.107	ug/L	99
33) Benzene	5.767	78	364213	55.406	ug/L	100
34) Trichloroethene	6.536	95	104386	52.503	ug/L	94
35) Methylcyclohexane	6.758	83	147634	50.517	ug/L	98
37) 1,2-Dichloropropane	6.783	63	94046	56.344	ug/L	99
38) Bromodichloromethane	7.102	83	122228	54.892	ug/L	96
39) cis-1,3-Dichloropropene	7.603	75	155752	57.103	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	217852	120.106	ug/L	99
42) Toluene	7.963	91	398881	53.545	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	143557	55.674	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	99634	54.368	ug/L	96
46) Tetrachloroethene	8.549	164	76705	46.492	ug/L	95
48) 2-Hexanone	8.677	43	167672	114.277	ug/L	98
49) Dibromochloromethane	8.803	129	98146	51.506	ug/L	99
50) 1,2-Dibromoethane	8.918	107	111088	54.182	ug/L	98
51) Chlorobenzene	9.443	112	264183	51.471	ug/L	95
52) Ethylbenzene	9.565	91	441064	53.187	ug/L	100
53) m,p-Xylene	9.690	106	171771	52.962	ug/L	100
54) o-xylene	10.095	106	169416	52.833	ug/L	94
55) Styrene	10.108	104	283315	54.244	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	152380	56.633	ug/L	95
59) Bromoform	10.285	173	68807	49.671	ug/L	96
60) 1,2,3-Trichloropropane	10.819	75	122674	62.514	ug/L	98
61) Isopropylbenzene	10.481	105	444038	55.495	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	371404	55.838	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	368857	55.990	ug/L	97
64) 1,3-Dichlorobenzene	11.741	146	215034	51.432	ug/L	97
65) 1,4-Dichlorobenzene	11.831	146	219308	51.466	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	212158	50.914	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	32427	61.987	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	142822	46.130	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	144039	50.179	ug/L	99
71) Naphthalene	14.082	128	457689	53.270	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	134607	46.949	ug/L	99

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

