

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071222\
 Data File : VU049686.D
 Acq On : 12 Jul 2022 10:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

Quant Time: Jul 13 06:48:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 12 02:23:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	232335	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	219630	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	113592	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	91778	46.818	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.640%
7) Chloroethane-d5	1.909	69	67834	47.872	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.740%
11) 1,1-Dichloroethene-d2	2.568	63	169796	49.036	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.080%
21) 2-Butanone-d5	4.620	46	157122	93.891	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.890%
24) Chloroform-d	5.063	84	171189	49.305	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.620%
26) 1,2-Dichloroethane-d4	5.703	65	111438	47.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.840%
32) Benzene-d6	5.729	84	319098	47.824	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.640%
36) 1,2-Dichloropropane-d6	6.690	67	109852	48.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.900%
41) Toluene-d8	7.899	98	285289	49.098	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	8.179	79	42724	45.183	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.360%
47) 2-Hexanone-d5	8.632	63	92007	91.138	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.140%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	153290	48.815	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.620%
66) 1,2-Dichlorobenzene-d4	12.195	152	102771	47.985	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	146687	52.670	ug/L	100
3) Chloromethane	1.523	50	162183	53.061	ug/L	100
5) Vinyl chloride	1.604	62	145410	52.647	ug/L	99
6) Bromomethane	1.851	94	73990	57.980	ug/L	97
8) Chloroethane	1.932	64	80144	52.381	ug/L	98
9) Trichlorofluoromethane	2.137	101	179004	52.479	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	92840	51.871	ug/L	99
12) 1,1-Dichloroethene	2.578	96	87892	52.911	ug/L	90
13) Acetone	2.626	43	129710	81.560	ug/L	98
14) Carbon disulfide	2.793	76	278637	49.742	ug/L	99
15) Methyl Acetate	2.948	43	153060	59.239	ug/L	100
16) Methylene chloride	3.044	84	114921	54.938	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	93118	51.243	ug/L	97
18) Methyl tert-butyl Ether	3.363	73	329855	52.996	ug/L	99
19) 1,1-Dichloroethane	3.867	63	203006	53.660	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	110562	54.137	ug/L	95
22) 2-Butanone	4.700	43	204291	95.944	ug/L	98
23) Bromochloromethane	4.977	128	55295	54.262	ug/L	95
25) Chloroform	5.089	83	203449	53.630	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	169569	52.494	ug/L	99
29) Cyclohexane	5.388	56	180770	52.731	ug/L	99
30) 1,1,1-Trichloroethane	5.317	97	172713	54.319	ug/L	100
31) Carbon tetrachloride	5.526	117	140077	53.864	ug/L	99
33) Benzene	5.774	78	444425	53.833	ug/L	100
34) Trichloroethene	6.542	95	106414	53.325	ug/L	97
35) Methylcyclohexane	6.764	83	167331	53.361	ug/L	99
37) 1,2-Dichloropropane	6.790	63	122312	53.453	ug/L	100
38) Bromodichloromethane	7.105	83	153340	54.049	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	156718	50.782	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	396521	107.041	ug/L	99
42) Toluene	7.970	91	448283	54.636	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	145021	50.048	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	108159	54.153	ug/L	98
46) Tetrachloroethene	8.555	164	72003	52.023	ug/L	99
48) 2-Hexanone	8.684	43	296572	100.185	ug/L	99
49) Dibromochloromethane	8.809	129	110398	54.956	ug/L	93
50) 1,2-Dibromoethane	8.925	107	110769	55.830	ug/L	98
51) Chlorobenzene	9.446	112	265109	53.356	ug/L	98
52) Ethylbenzene	9.571	91	475541	54.923	ug/L	100
53) m,p-Xylene	9.693	106	174724	55.497	ug/L	97
54) o-Xylene	10.102	106	173838	54.837	ug/L	99
55) Styrene	10.115	104	296435	56.662	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	191718	53.623	ug/L	99
59) Bromoform	10.291	173	80101	52.575	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	156464	51.713	ug/L	99
61) Isopropylbenzene	10.484	105	459051	54.122	ug/L #	83
62) 1,3,5-Trimethylbenzene	11.089	105	394973	55.207	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	390409	54.928	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	195150	52.706	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	193082	51.913	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	202074	52.485	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.996	75	43634	49.218	ug/L	100
69) 1,3,5-Trichlorobenzene	13.221	180	141070	54.373	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	124038	52.096	ug/L	99
71) Naphthalene	14.086	128	443873	52.150	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	129806	52.632	ug/L	99

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

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