

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052022\
 Data File : VU048642.D
 Acq On : 20 May 2022 10:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050136

Quant Time: May 21 04:32:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	230012	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	225771	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	136706	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	46707	33.154	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.300%
7) Chloroethane-d5	1.912	69	40087	37.980	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.960%
11) 1,1-Dichloroethene-d2	2.572	63	130563	40.979	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.960%
21) 2-Butanone-d5	4.626	46	118069	88.068	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.070%
24) Chloroform-d	5.067	84	163160	45.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.660%
26) 1,2-Dichloroethane-d4	5.703	65	113323	45.120	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.240%
32) Benzene-d6	5.729	84	265207	42.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.420%
36) 1,2-Dichloropropane-d6	6.694	67	80125	43.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.880%
41) Toluene-d8	7.899	98	259603	43.925	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.840%
43) trans-1,3-Dichloroprop...	8.179	79	50684	42.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.940%
47) 2-Hexanone-d5	8.636	63	88332	87.318	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.320%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	133241	43.652	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.300%
66) 1,2-Dichlorobenzene-d4	12.195	152	122375	43.789	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	115840	46.865	ug/L	100
3) Chloromethane	1.523	50	60121	39.420	ug/L	98
5) Vinyl chloride	1.604	62	71238	43.909	ug/L	100
6) Bromomethane	1.858	94	55494	47.380	ug/L	98
8) Chloroethane	1.935	64	43235	45.275	ug/L	98
9) Trichlorofluoromethane	2.141	101	154010	48.626	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	81264	50.317	ug/L	96
12) 1,1-Dichloroethene	2.581	96	71729	47.930	ug/L	99
13) Acetone	2.633	43	115331	105.887	ug/L	99
14) Carbon disulfide	2.797	76	199695	45.982	ug/L	100
15) Methyl Acetate	2.951	43	82564	44.415	ug/L	99
16) Methylene chloride	3.047	84	83382	47.859	ug/L	95
17) trans-1,2-Dichloroethene	3.356	96	79479	49.241	ug/L	96
18) Methyl tert-butyl Ether	3.366	73	275259	49.153	ug/L	99
19) 1,1-Dichloroethane	3.871	63	144253	48.816	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	88287	48.502	ug/L	94
22) 2-Butanone	4.707	43	130398	94.289	ug/L	98
23) Bromochloromethane	4.977	128	49302	48.810	ug/L	93
25) Chloroform	5.089	83	171396	49.691	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	148901	50.323	ug/L	100
29) Cyclohexane	5.391	56	106905	46.101	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	170197	49.787	ug/L	97
31) Carbon tetrachloride	5.526	117	157712	50.623	ug/L	99
33) Benzene	5.774	78	319870	48.494	ug/L	100
34) Trichloroethene	6.546	95	91687	49.131	ug/L	96
35) Methylcyclohexane	6.764	83	128100	47.835	ug/L	99
37) 1,2-Dichloropropane	6.793	63	76728	46.521	ug/L #	96
38) Bromodichloromethane	7.108	83	133691	50.100	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	136265	48.391	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	227296	90.307	ug/L	97
42) Toluene	7.970	91	361783	50.322	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	148824	50.115	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	86043	48.716	ug/L	97
46) Tetrachloroethene	8.555	164	79145	51.973	ug/L	99
48) 2-Hexanone	8.687	43	189197	87.734	ug/L	98
49) Dibromochloromethane	8.812	129	115975	51.073	ug/L	99
50) 1,2-Dibromoethane	8.925	107	99435	48.781	ug/L	99
51) Chlorobenzene	9.449	112	244658	48.793	ug/L	99
52) Ethylbenzene	9.571	91	400209	48.711	ug/L	98
53) m,p-Xylene	9.693	106	164192	49.729	ug/L	99
54) o-Xylene	10.102	106	160634	50.784	ug/L	98
55) Styrene	10.115	104	276766	50.325	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	138091	45.238	ug/L #	98
59) Bromoform	10.292	173	92393	49.167	ug/L	97
60) 1,2,3-Trichloropropane	10.825	75	126900	46.805	ug/L	97
61) Isopropylbenzene	10.484	105	425153	50.498	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	241272	50.408	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	377441	50.712	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	215562	49.649	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	217012	48.167	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	211079	47.798	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	48093	45.879	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	166045	47.982	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	144658	46.218	ug/L	98
71) Naphthalene	14.086	128	435444	42.193	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	147777	47.026	ug/L	98

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

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