

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082922\
 Data File : VU050473.D
 Acq On : 29 Aug 2022 10:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050178

Quant Time: Aug 29 13:39:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 27 02:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	323017	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	318818	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	150698	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	149160	39.053	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	78.100%	
7) Chloroethane-d5	1.899	69	126125	44.627	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	89.260%	
11) 1,1-Dichloroethene-d2	2.562	63	229283	42.478	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	84.960%	
21) 2-Butanone-d5	4.626	46	245282	98.113	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	98.110%	
24) Chloroform-d	5.063	84	286192	46.678	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.360%	
26) 1,2-Dichloroethane-d4	5.700	65	173890	45.634	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	91.260%	
32) Benzene-d6	5.726	84	550021	46.690	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.380%	
36) 1,2-Dichloropropane-d6	6.690	67	181675	46.553	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	93.100%	
41) Toluene-d8	7.899	98	489899	47.527	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	95.060%	
43) trans-1,3-Dichloroprop...	8.179	79	76904	47.242	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	94.480%	
47) 2-Hexanone-d5	8.635	63	148319	102.413	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	102.410%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	286062	47.524	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	95.040%	
66) 1,2-Dichlorobenzene-d4	12.195	152	165251	45.905	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	91.800%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	114913	45.511	ug/L	98
3) Chloromethane	1.517	50	130100	44.273	ug/L	100
5) Vinyl chloride	1.600	62	127091	44.229	ug/L	99
6) Bromomethane	1.845	94	47967	45.145	ug/L	95
8) Chloroethane	1.922	64	84931	48.652	ug/L	98
9) Trichlorofluoromethane	2.131	101	172686	47.235	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	109438	48.826	ug/L	98
12) 1,1-Dichloroethene	2.575	96	94626	47.755	ug/L	98
13) Acetone	2.629	43	202701	123.316	ug/L	99
14) Carbon disulfide	2.787	76	204337	40.411	ug/L	99
15) Methyl Acetate	2.948	43	155470	52.571	ug/L	100
16) Methylene chloride	3.041	84	137138	49.660	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	100499	48.247	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	370417	56.185	ug/L	99
19) 1,1-Dichloroethane	3.867	63	230325	51.038	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	128894	51.673	ug/L	99
22) 2-Butanone	4.706	43	252790	113.475	ug/L	100
23) Bromochloromethane	4.973	128	72065	52.896	ug/L	99
25) Chloroform	5.086	83	250301	52.063	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	186375	51.969	ug/L	98
29) Cyclohexane	5.388	56	140370	47.863	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	184686	50.633	ug/L	98
31) Carbon tetrachloride	5.523	117	149047	49.793	ug/L	98
33) Benzene	5.774	78	518788	53.745	ug/L	100
34) Trichloroethene	6.542	95	115428	50.518	ug/L	99
35) Methylcyclohexane	6.764	83	151907	47.546	ug/L	99
37) 1,2-Dichloropropane	6.790	63	150698	53.747	ug/L	99
38) Bromodichloromethane	7.105	83	188786	52.774	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	198944	54.031	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	430102	115.432	ug/L	100
42) Toluene	7.970	91	530228	54.520	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	190068	55.380	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	151415	54.881	ug/L	97
46) Tetrachloroethene	8.552	164	84687	50.465	ug/L	99
48) 2-Hexanone	8.687	43	357714	114.959	ug/L	99
49) Dibromochloromethane	8.809	129	153298	53.640	ug/L	97
50) 1,2-Dibromoethane	8.925	107	147349	53.441	ug/L	99
51) Chlorobenzene	9.446	112	330042	51.713	ug/L	98
52) Ethylbenzene	9.571	91	510868	52.119	ug/L	99
53) m,p-Xylene	9.693	106	195351	53.368	ug/L	99
54) o-Xylene	10.102	106	200418	55.110	ug/L	100
55) Styrene	10.115	104	354256	57.248	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	273389	54.229	ug/L	99
59) Bromoform	10.291	173	113024	52.374	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	207160	53.345	ug/L	99
61) Isopropylbenzene	10.484	105	491376	52.716	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	397848	52.861	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	396719	54.044	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	238181	52.261	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	234662	51.126	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	255592	53.329	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.995	75	54270	52.583	ug/L	96
69) 1,3,5-Trichlorobenzene	13.220	180	161167	51.301	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	130883	52.021	ug/L	99
71) Naphthalene	14.089	128	450433	54.576	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	150480	54.724	ug/L	99

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

