

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042322\
 Data File : VU048240.D
 Acq On : 23 Apr 2022 12:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050097

Quant Time: Apr 25 01:20:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 22 21:59:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	298070	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	324554	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	189152	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	101041	46.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.500%
7) Chloroethane-d5	1.887	69	77205	45.299	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.565	63	175122	44.283	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.560%
21) 2-Butanone-d5	4.623	46	170004	91.633	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.630%
24) Chloroform-d	5.063	84	183905	46.500	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.700	65	111655	46.031	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.060%
32) Benzene-d6	5.726	84	375253	45.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.900%
36) 1,2-Dichloropropane-d6	6.690	67	118519	47.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.520%
41) Toluene-d8	7.899	98	342442	43.038	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.080%
43) trans-1,3-Dichloroprop...	8.179	79	50530	39.768	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.540%
47) 2-Hexanone-d5	8.636	63	132375	90.160	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.160%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	220142	51.145	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.280%
66) 1,2-Dichlorobenzene-d4	12.195	152	149780	44.509	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	115023	41.624	ug/L	99
3) Chloromethane	1.520	50	126832	47.993	ug/L	100
5) Vinyl chloride	1.604	62	132077	49.003	ug/L	98
6) Bromomethane	1.829	94	50792	35.012	ug/L	98
8) Chloroethane	1.909	64	80199	47.399	ug/L	98
9) Trichlorofluoromethane	2.125	101	171912	45.231	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	106265	48.369	ug/L	98
12) 1,1-Dichloroethene	2.575	96	98393	48.123	ug/L	87
13) Acetone	2.626	43	138460	80.197	ug/L	99
14) Carbon disulfide	2.790	76	242538	37.527	ug/L	100
15) Methyl Acetate	2.944	43	162797	59.133	ug/L	95
16) Methylene chloride	3.044	84	141786	60.431	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	104714	47.482	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	367073	58.998	ug/L	98
19) 1,1-Dichloroethane	3.867	63	218597	57.473	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	127754	52.840	ug/L	93
22) 2-Butanone	4.703	43	226224	101.719	ug/L	95
23) Bromochloromethane	4.973	128	71216	53.649	ug/L	95
25) Chloroform	5.089	83	229119	55.953	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	175461	55.461	ug/L	97
29) Cyclohexane	5.388	56	154738	46.985	ug/L	95
30) 1,1,1-Trichloroethane	5.314	97	183043	49.739	ug/L	100
31) Carbon tetrachloride	5.523	117	155446	46.777	ug/L	99
33) Benzene	5.774	78	487112	51.852	ug/L	100
34) Trichloroethene	6.542	95	114199	46.368	ug/L	98
35) Methylcyclohexane	6.764	83	159766	42.640	ug/L	97
37) 1,2-Dichloropropane	6.793	63	137703	57.660	ug/L	100
38) Bromodichloromethane	7.105	83	176753	53.896	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	175614	47.392	ug/L	100
40) 4-Methyl-2-pentanone	7.793	43	448656	118.865	ug/L	99
42) Toluene	7.970	91	528108	51.234	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	178960	48.370	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	149768	59.131	ug/L	99
46) Tetrachloroethene	8.555	164	98807	44.643	ug/L	100
48) 2-Hexanone	8.687	43	364555	112.283	ug/L	99
49) Dibromochloromethane	8.812	129	159174	54.259	ug/L	98
50) 1,2-Dibromoethane	8.925	107	148133	52.169	ug/L	100
51) Chlorobenzene	9.449	112	363424	51.926	ug/L	97
52) Ethylbenzene	9.571	91	544837	50.270	ug/L	100
53) m,p-Xylene	9.693	106	218875	51.467	ug/L	100
54) o-Xylene	10.102	106	223287	53.496	ug/L	98
55) Styrene	10.115	104	391262	54.905	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	294924	62.111	ug/L	98
59) Bromoform	10.295	173	137291	56.762	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	228439	64.063	ug/L	97
61) Isopropylbenzene	10.484	105	563259	55.099	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	292894	52.806	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	471230	55.931	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	309712	54.508	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	304774	51.785	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	316604	55.687	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	60624	53.076	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	217960	47.232	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	180084	44.554	ug/L	99
71) Naphthalene	14.089	128	578981	48.046	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	194703	48.051	ug/L	99

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

