

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120821\
 Data File : VU046204.D
 Acq On : 09 Dec 2021 02:19
 Operator : SY/MD
 Sample : M4983-08MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5N8MS

Quant Time: Dec 09 04:37:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	204029	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	201322	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	111281	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	55125	32.799	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.600%
7) Chloroethane-d5	1.919	69	44203	34.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.500%#
11) 1,1-Dichloroethene-d2	2.575	63	118189	39.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.340%
21) 2-Butanone-d5	4.642	46	130596	97.747	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.750%
24) Chloroform-d	5.067	84	123133	43.872	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.740%
26) 1,2-Dichloroethane-d4	5.703	65	79492	42.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.400%
32) Benzene-d6	5.732	84	243712	42.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.480%
36) 1,2-Dichloropropane-d6	6.694	67	78773	44.049	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.100%
41) Toluene-d8	7.899	98	220328	41.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.880%
43) trans-1,3-Dichloroprop...	8.182	79	39180	45.386	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.780%
47) 2-Hexanone-d5	8.632	63	93332	110.075	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.070%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	130216	48.014	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.020%
66) 1,2-Dichlorobenzene-d4	12.195	152	98637	46.026	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	95725	43.124	ug/L	99
3) Chloromethane	1.523	50	82300	41.451	ug/L	100
5) Vinyl chloride	1.607	62	87149	43.532	ug/L	99
6) Bromomethane	1.864	94	49352	43.494	ug/L	96
8) Chloroethane	1.941	64	50261	43.361	ug/L	100
9) Trichlorofluoromethane	2.144	101	117500	44.956	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	73082	49.227	ug/L	95
12) 1,1-Dichloroethene	2.588	96	75672	53.640	ug/L #	79
13) Acetone	2.658	43	87939	52.665	ug/L	96
14) Carbon disulfide	2.800	76	188487	43.064	ug/L	100
15) Methyl Acetate	2.961	43	82664	42.467	ug/L	96
16) Methylene chloride	3.051	84	79895	47.601	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	76723	51.391	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	252316	54.840	ug/L	99
19) 1,1-Dichloroethane	3.874	63	207320	76.375	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	122985	75.920	ug/L	100
22) 2-Butanone	4.719	43	145233	79.898	ug/L	97
23) Bromochloromethane	4.980	128	43811	53.548	ug/L	91
25) Chloroform	5.092	83	151638	50.278	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	111419	49.784	ug/L	98
29) Cyclohexane	5.395	56	119125	50.816	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	481364	194.787	ug/L	99
31) Carbon tetrachloride	5.530	117	107979	51.468	ug/L	98
33) Benzene	5.777	78	313486	51.448	ug/L	100
34) Trichloroethene	6.543	95	91754	57.160	ug/L	100
35) Methylcyclohexane	6.764	83	122593	49.255	ug/L	99
37) 1,2-Dichloropropane	6.793	63	81546	51.089	ug/L	100
38) Bromodichloromethane	7.108	83	110392	52.033	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	131265	54.058	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	253206	107.970	ug/L	98
42) Toluene	7.970	91	347170	53.099	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	124474	52.192	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	84484	52.757	ug/L	98
46) Tetrachloroethene	8.555	164	79776	67.627	ug/L	97
48) 2-Hexanone	8.684	43	202836	96.711	ug/L	97
49) Dibromochloromethane	8.809	129	91727	54.547	ug/L	98
50) 1,2-Dibromoethane	8.925	107	92854	53.482	ug/L #	100
51) Chlorobenzene	9.446	112	225996	53.428	ug/L	98
52) Ethylbenzene	9.571	91	383944	54.564	ug/L	99
53) m,p-Xylene	9.693	106	149595	54.514	ug/L	99
54) o-xylene	10.102	106	146723	55.103	ug/L	99
55) Styrene	10.115	104	255491	56.201	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.783	83	142967	52.074	ug/L	100
59) Bromoform	10.292	173	68736	52.653	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	120948	49.581	ug/L	99
61) Isopropylbenzene	10.484	105	389789	53.835	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	330274	54.727	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	333678	55.264	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	184706	53.705	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	188490	53.029	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	182626	52.729	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	33731	51.906	ug/L	88
69) 1,3,5-Trichlorobenzene	13.217	180	130463	52.061	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	123416	55.498	ug/L	99
71) Naphthalene	14.086	128	467023	60.351	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	126050	55.585	ug/L	98

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

