

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121021\
 Data File : VU046276.D
 Acq On : 10 Dec 2021 19:22
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050135

Quant Time: Dec 10 22:26:02 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	233287	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	238284	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	133181	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	67095	34.914	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.820%
7) Chloroethane-d5	1.919	69	52275	35.430	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.860%
11) 1,1-Dichloroethene-d2	2.578	63	133820	38.791	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.580%
21) 2-Butanone-d5	4.642	46	135120	88.449	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.450%
24) Chloroform-d	5.070	84	136005	42.381	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.760%
26) 1,2-Dichloroethane-d4	5.706	65	88696	41.183	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.360%
32) Benzene-d6	5.732	84	275257	40.303	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.600%
36) 1,2-Dichloropropane-d6	6.693	67	88282	41.709	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.420%
41) Toluene-d8	7.899	98	249649	40.147	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.300%
43) trans-1,3-Dichloroprop...	8.182	79	45085	44.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.240%
47) 2-Hexanone-d5	8.635	63	96896	96.551	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.550%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	141336	44.031	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.060%
66) 1,2-Dichlorobenzene-d4	12.195	152	104807	40.863	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	93518	36.846	ug/L	100
3) Chloromethane	1.523	50	81903	36.078	ug/L	99
5) Vinyl chloride	1.610	62	90380	39.484	ug/L	99
6) Bromomethane	1.864	94	55816	43.022	ug/L	97
8) Chloroethane	1.941	64	52435	39.563	ug/L	98
9) Trichlorofluoromethane	2.147	101	129616	43.372	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.591	101	82481	48.590	ug/L	95
12) 1,1-Dichloroethene	2.587	96	75030	46.515	ug/L	88
13) Acetone	2.661	43	125045	65.495	ug/L	96
14) Carbon disulfide	2.800	76	184558	36.878	ug/L	98
15) Methyl Acetate	2.960	43	99224	44.582	ug/L	98
16) Methylene chloride	3.054	84	90917	47.374	ug/L	95
17) trans-1,2-Dichloroethene	3.362	96	80716	47.284	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	278994	53.033	ug/L	99
19) 1,1-Dichloroethane	3.877	63	152478	49.127	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	94466	51.001	ug/L	95
22) 2-Butanone	4.722	43	163399	78.618	ug/L	97
23) Bromochloromethane	4.980	128	49620	53.042	ug/L	89
25) Chloroform	5.092	83	171475	49.725	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	123789	48.374	ug/L	99
29) Cyclohexane	5.394	56	121074	43.636	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	145841	49.861	ug/L	98
31) Carbon tetrachloride	5.529	117	123280	49.647	ug/L	98
33) Benzene	5.777	78	344184	47.724	ug/L	100
34) Trichloroethene	6.546	95	94842	49.919	ug/L	99
35) Methylcyclohexane	6.767	83	125476	42.593	ug/L	98
37) 1,2-Dichloropropane	6.793	63	91848	48.617	ug/L	100
38) Bromodichloromethane	7.108	83	132693	52.843	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	151226	52.618	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	271727	97.894	ug/L	98
42) Toluene	7.973	91	380696	49.194	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	144539	51.204	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	96789	51.066	ug/L	98
46) Tetrachloroethene	8.555	164	70308	50.356	ug/L	96
48) 2-Hexanone	8.687	43	220386	88.780	ug/L	98
49) Dibromochloromethane	8.812	129	110833	55.685	ug/L	100
50) 1,2-Dibromoethane	8.925	107	102927	50.088	ug/L	98
51) Chlorobenzene	9.449	112	252735	50.481	ug/L	98
52) Ethylbenzene	9.571	91	417366	50.114	ug/L	97
53) m,p-Xylene	9.697	106	166113	51.144	ug/L	98
54) o-xylene	10.102	106	162017	51.408	ug/L	96
55) Styrene	10.115	104	288238	53.569	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.783	83	156498	48.160	ug/L	100
59) Bromoform	10.291	173	84463	54.061	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	131959	45.200	ug/L	99
61) Isopropylbenzene	10.488	105	430154	49.641	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	361737	50.084	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	364510	50.443	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	204257	49.624	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	205950	48.413	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	201422	48.593	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	39694	51.038	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	144938	48.326	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	137540	51.679	ug/L	98
71) Naphthalene	14.085	128	529707	57.196	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	139294	51.325	ug/L	99

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

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