

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120121\
 Data File : VU046040.D
 Acq On : 01 Dec 2021 17:34
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050116

Quant Time: Dec 02 02:45:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 02 02:43:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	186449	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	186568	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	99792	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	70075	45.626	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.260%
7) Chloroethane-d5	1.919	69	54826	46.493	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.980%
11) 1,1-Dichloroethene-d2	2.575	63	124249	45.064	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.120%
21) 2-Butanone-d5	4.639	46	124230	101.749	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.750%
24) Chloroform-d	5.066	84	124952	48.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.440%
26) 1,2-Dichloroethane-d4	5.706	65	84986	49.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.740%
32) Benzene-d6	5.732	84	269891	50.472	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.940%
36) 1,2-Dichloropropane-d6	6.693	67	83922	50.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.280%
41) Toluene-d8	7.899	98	248639	51.068	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.140%
43) trans-1,3-Dichloroprop...	8.179	79	41501	51.876	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.760%
47) 2-Hexanone-d5	8.636	63	82000	104.358	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.360%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	127180	50.603	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	96138	50.025	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	84666	41.738	ug/L	100
3) Chloromethane	1.520	50	74560	41.094	ug/L	98
5) Vinyl chloride	1.607	62	77123	42.156	ug/L	99
6) Bromomethane	1.861	94	45223	43.613	ug/L	97
8) Chloroethane	1.938	64	44129	41.661	ug/L	100
9) Trichlorofluoromethane	2.144	101	103150	43.187	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	58280	42.958	ug/L	98
12) 1,1-Dichloroethene	2.584	96	54857	42.552	ug/L	99
13) Acetone	2.661	43	96561	63.281	ug/L	98
14) Carbon disulfide	2.800	76	166723	41.683	ug/L	100
15) Methyl Acetate	2.960	43	74274	41.755	ug/L	100
16) Methylene chloride	3.051	84	63077	41.124	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	59106	43.323	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	185413	44.098	ug/L	100
19) 1,1-Dichloroethane	3.874	63	107275	43.246	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	64848	43.806	ug/L	97
22) 2-Butanone	4.722	43	121984	73.435	ug/L	97
23) Bromochloromethane	4.980	128	33664	45.026	ug/L	91
25) Chloroform	5.092	83	121396	44.046	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	87605	42.834	ug/L	99
29) Cyclohexane	5.394	56	96456	44.399	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	99559	43.473	ug/L	99
31) Carbon tetrachloride	5.530	117	85218	43.832	ug/L	98
33) Benzene	5.777	78	246492	43.652	ug/L	100
34) Trichloroethene	6.546	95	64222	43.172	ug/L	98
35) Methylcyclohexane	6.767	83	104245	45.195	ug/L	100
37) 1,2-Dichloropropane	6.793	63	64634	43.695	ug/L	99
38) Bromodichloromethane	7.108	83	84465	42.961	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	102574	45.583	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	190353	87.587	ug/L	99
42) Toluene	7.970	91	270048	44.569	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	99452	44.998	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	64316	43.339	ug/L	98
46) Tetrachloroethene	8.555	164	47578	43.522	ug/L	98
48) 2-Hexanone	8.687	43	164142	84.451	ug/L	99
49) Dibromochloromethane	8.812	129	68756	44.120	ug/L	98
50) 1,2-Dibromoethane	8.925	107	69336	43.095	ug/L	97
51) Chlorobenzene	9.449	112	169005	43.114	ug/L	98
52) Ethylbenzene	9.571	91	289988	44.471	ug/L	98
53) m,p-Xylene	9.697	106	115241	45.316	ug/L	99
54) o-xylene	10.102	106	110082	44.611	ug/L	99
55) Styrene	10.115	104	192877	45.783	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	104862	41.215	ug/L	100
59) Bromoform	10.291	173	50269	42.940	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	91289	41.732	ug/L	99
61) Isopropylbenzene	10.488	105	292902	45.111	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	247710	45.771	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	250172	46.204	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	134518	43.615	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	135360	42.466	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	133524	42.991	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	24052	41.273	ug/L	100
69) 1,3,5-Trichlorobenzene	13.221	180	97735	43.491	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	86525	43.388	ug/L	99
71) Naphthalene	14.085	128	325717	46.937	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	91408	44.949	ug/L	100

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

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