

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046408.D
 Acq On : 15 Dec 2021 19:54
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050145

Quant Time: Dec 16 03:13:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	155670	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	156536	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	86557	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	67076	52.308	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.620%
7) Chloroethane-d5	1.919	69	47340	48.082	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.160%
11) 1,1-Dichloroethene-d2	2.575	63	108330	47.059	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.120%
21) 2-Butanone-d5	4.636	46	88322	86.642	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.640%
24) Chloroform-d	5.067	84	114365	53.406	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.820%
26) 1,2-Dichloroethane-d4	5.706	65	72197	50.237	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.480%
32) Benzene-d6	5.732	84	219530	48.930	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
36) 1,2-Dichloropropane-d6	6.694	67	67564	48.591	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.180%
41) Toluene-d8	7.899	98	201965	49.440	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.880%
43) trans-1,3-Dichloroprop...	8.182	79	32852	48.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.880%
47) 2-Hexanone-d5	8.636	63	69421	105.299	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.300%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	99734	47.296	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.600%
66) 1,2-Dichlorobenzene-d4	12.192	152	75577	45.339	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	62561	36.939	ug/L	99
3) Chloromethane	1.523	50	52470	34.637	ug/L	98
5) Vinyl chloride	1.607	62	57099	37.382	ug/L	98
6) Bromomethane	1.864	94	32729	37.805	ug/L	97
8) Chloroethane	1.941	64	34583	39.104	ug/L	100
9) Trichlorofluoromethane	2.144	101	89552	44.907	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	52389	46.251	ug/L	100
12) 1,1-Dichloroethene	2.588	96	44612	41.447	ug/L	92
13) Acetone	2.652	43	78102	61.304	ug/L	97
14) Carbon disulfide	2.800	76	95905	28.719	ug/L	99
15) Methyl Acetate	2.957	43	64396	43.359	ug/L	98
16) Methylene chloride	3.054	84	56997	44.507	ug/L	96
17) trans-1,2-Dichloroethene	3.359	96	46696	40.994	ug/L	98
18) Methyl tert-butyl Ether	3.366	73	179186	51.043	ug/L	99
19) 1,1-Dichloroethane	3.877	63	100871	48.704	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	58706	47.498	ug/L	97
22) 2-Butanone	4.716	43	105112	75.790	ug/L	96
23) Bromochloromethane	4.980	128	30781	49.310	ug/L	93
25) Chloroform	5.092	83	111243	48.343	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	87668	51.340	ug/L	100
29) Cyclohexane	5.395	56	71016	38.961	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	95434	49.667	ug/L	100
31) Carbon tetrachloride	5.530	117	78832	48.326	ug/L	100
33) Benzene	5.777	78	220536	46.549	ug/L	100
34) Trichloroethene	6.546	95	55974	44.847	ug/L	97
35) Methylcyclohexane	6.767	83	79150	40.899	ug/L	99
37) 1,2-Dichloropropane	6.793	63	60909	49.077	ug/L	99
38) Bromodichloromethane	7.108	83	83751	50.770	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	92805	49.154	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	180856	99.183	ug/L	99
42) Toluene	7.970	91	239711	47.153	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	90889	49.013	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	62198	49.953	ug/L	98
46) Tetrachloroethene	8.555	164	40788	44.469	ug/L	98
48) 2-Hexanone	8.687	43	145530	89.240	ug/L	99
49) Dibromochloromethane	8.812	129	66526	50.879	ug/L	98
50) 1,2-Dibromoethane	8.925	107	62417	46.237	ug/L	94
51) Chlorobenzene	9.449	112	153032	46.529	ug/L	100
52) Ethylbenzene	9.571	91	259781	47.482	ug/L	100
53) m,p-Xylene	9.693	106	101590	47.612	ug/L	98
54) o-xylene	10.102	106	100011	48.306	ug/L	97
55) Styrene	10.115	104	177318	50.164	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	109506	51.298	ug/L	100
59) Bromoform	10.291	173	49234	48.487	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	87804	46.276	ug/L	99
61) Isopropylbenzene	10.484	105	267831	47.557	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	229377	48.865	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	235177	50.076	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	123107	46.019	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	124614	45.072	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	125567	46.611	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	27067	53.548	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	92234	47.319	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	85133	49.218	ug/L	99
71) Naphthalene	14.085	128	323862	53.805	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	91107	51.652	ug/L	100

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

