

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101921\
 Data File : VU045337.D
 Acq On : 19 Oct 2021 18:19
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050105

Quant Time: Oct 20 03:10:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 20 02:57:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	301006	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	310945	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	161114	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	57889	44.148	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.300%
7) Chloroethane-d5	1.874	69	22229	17.740	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	35.480%#
11) 1,1-Dichloroethene-d2	2.555	63	119673	45.836	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.680%
21) 2-Butanone-d5	4.629	46	204886	104.680	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.680%
24) Chloroform-d	5.067	84	168860	48.421	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.840%
26) 1,2-Dichloroethane-d4	5.703	65	114142	47.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.760%
32) Benzene-d6	5.726	84	272177	46.538	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.080%
36) 1,2-Dichloropropane-d6	6.694	67	106603	46.890	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.780%
41) Toluene-d8	7.899	98	229065	45.919	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.840%
43) trans-1,3-Dichloroprop...	8.182	79	55941	48.476	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.960%
47) 2-Hexanone-d5	8.639	63	173817	121.852	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.850%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	246195	57.283	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.560%
66) 1,2-Dichlorobenzene-d4	12.198	152	143270	51.253	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	98628	44.946	ug/L	98
3) Chloromethane	1.520	50	112350	45.245	ug/L	99
5) Vinyl chloride	1.604	62	121801	44.346	ug/L	99
6) Bromomethane	1.826	94	30870	21.240	ug/L	100
8) Chloroethane	1.896	64	47975	27.807	ug/L	98
9) Trichlorofluoromethane	2.108	101	142568	42.674	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	96376	45.388	ug/L	99
12) 1,1-Dichloroethene	2.565	96	88561	45.242	ug/L	99
13) Acetone	2.636	43	155612	68.283	ug/L	99
14) Carbon disulfide	2.780	76	236060	43.871	ug/L	99
15) Methyl Acetate	2.951	43	138787	49.115	ug/L	99
16) Methylene chloride	3.041	84	117048	46.427	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	94191	44.855	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	359297	49.065	ug/L	99
19) 1,1-Dichloroethane	3.867	63	202212	47.058	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	114481	47.590	ug/L	98
22) 2-Butanone	4.710	43	217616	86.590	ug/L	100
23) Bromochloromethane	4.977	128	54630	46.114	ug/L	96
25) Chloroform	5.089	83	205368	46.950	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	166672	47.707	ug/L	100
29) Cyclohexane	5.388	56	169414	45.884	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	163895	44.673	ug/L	99
31) Carbon tetrachloride	5.523	117	124184	43.835	ug/L	100
33) Benzene	5.774	78	448368	46.318	ug/L	100
34) Trichloroethene	6.542	95	105254	44.095	ug/L	99
35) Methylcyclohexane	6.764	83	167623	44.706	ug/L	99
37) 1,2-Dichloropropane	6.793	63	122513	46.533	ug/L	100
38) Bromodichloromethane	7.108	83	153336	45.027	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	182346	46.261	ug/L	98
40) 4-Methyl-2-pentanone	7.800	43	448647	111.734	ug/L	100
42) Toluene	7.973	91	465556	46.102	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	180795	47.969	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	126289	50.048	ug/L	99
46) Tetrachloroethene	8.555	164	71262	43.093	ug/L	99
48) 2-Hexanone	8.690	43	366652	108.164	ug/L	100
49) Dibromochloromethane	8.816	129	120853	49.172	ug/L	100
50) 1,2-Dibromoethane	8.928	107	125765	48.407	ug/L	100
51) Chlorobenzene	9.449	112	306777	47.964	ug/L	99
52) Ethylbenzene	9.574	91	523999	47.815	ug/L	99
53) m,p-Xylene	9.697	106	203380	48.850	ug/L	99
54) o-xylene	10.105	106	210640	50.426	ug/L	99
55) Styrene	10.118	104	374876	53.028	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	250777	56.254	ug/L	98
59) Bromoform	10.295	173	94331	53.409	ug/L	100
60) 1,2,3-Trichloropropane	10.828	75	203022	54.878	ug/L	99
61) Isopropylbenzene	10.488	105	548108	49.820	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	478652	52.587	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	486388	52.780	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	244486	49.076	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	239851	47.465	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	247146	49.076	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	48772	47.343	ug/L	97
69) 1,3,5-Trichlorobenzene	13.224	180	157237	45.867	ug/L	100
70) 1,2,4-trichlorobenzene	13.844	180	125128	43.543	ug/L	100
71) Naphthalene	14.089	128	456101	47.483	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	129005	44.936	ug/L	99

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

