

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045159.D
 Acq On : 05 Oct 2021 20:50
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050088

Quant Time: Oct 06 01:48:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 06 01:40:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	268440	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	256420	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	131704	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	121713	41.42	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.84%		
7) Chloroethane-d5	1.903	69	107429	46.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.26%		
11) 1,1-Dichloroethene-d2	2.572	63	227036	46.01	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.02%		
21) 2-Butanone-d5	4.629	46	228092	98.18	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.18%		
24) Chloroform-d	5.067	84	227002	48.91	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.82%		
26) 1,2-Dichloroethane-d4	5.707	65	153043	48.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.36%		
32) Benzene-d6	5.732	84	453158	50.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.86%		
36) 1,2-Dichloropropane-d6	6.694	67	143348	49.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.82%		
41) Toluene-d8	7.903	98	407013	53.01	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.02%		
43) trans-1,3-Dichloroprop...	8.182	79	67623	52.40	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	104.80%		
47) 2-Hexanone-d5	8.639	63	170034	105.76	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.76%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	228594	50.60	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.20%		
66) 1,2-Dichlorobenzene-d4	12.195	152	153534	53.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.14%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	117179	45.59	ug/L	98
3) Chloromethane	1.520	50	129597	40.45	ug/L	99
5) Vinyl chloride	1.607	62	136458	43.47	ug/L	100
6) Bromomethane	1.848	94	56131	37.28	ug/L	97
8) Chloroethane	1.925	64	93105	47.26	ug/L	100
9) Trichlorofluoromethane	2.134	101	174486	48.57	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	105670	46.60	ug/L	99
12) 1,1-Dichloroethene	2.581	96	104862	50.44	ug/L	89
13) Acetone	2.636	43	141613	52.73	ug/L	98
14) Carbon disulfide	2.797	76	300523	45.13	ug/L	100
15) Methyl Acetate	2.954	43	153095	46.22	ug/L	96
16) Methylene chloride	3.051	84	123627	46.94	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	108593	49.59	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	389526	53.95	ug/L	99
19) 1,1-Dichloroethane	3.874	63	217385	47.72	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	123871	51.33	ug/L	91
22) 2-Butanone	4.713	43	230653	76.74	ug/L	96
23) Bromochloromethane	4.980	128	60266	49.27	ug/L	91
25) Chloroform	5.092	83	220090	48.60	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	184935	48.82	ug/L	100
29) Cyclohexane	5.391	56	196377	50.95	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	181769	51.21	ug/L	98
31) Carbon tetrachloride	5.530	117	139867	49.89	ug/L	98
33) Benzene	5.777	78	486311	51.13	ug/L	100
34) Trichloroethene	6.546	95	117514	51.44	ug/L	99
35) Methylcyclohexane	6.768	83	192510	50.34	ug/L	97
37) 1,2-Dichloropropane	6.793	63	126596	48.89	ug/L	99
38) Bromodichloromethane	7.108	83	160228	50.48	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	191125	51.58	ug/L	99
40) 4-Methyl-2-pentanone	7.797	43	439204	101.54	ug/L	97
42) Toluene	7.973	91	514116	53.20	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	183175	51.99	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	120802	51.48	ug/L	98
46) Tetrachloroethene	8.555	164	81578	49.96	ug/L	96
48) 2-Hexanone	8.690	43	359351	93.68	ug/L	98
49) Dibromochloromethane	8.813	129	118337	50.99	ug/L	99
50) 1,2-Dibromoethane	8.925	107	130366	53.06	ug/L	97
51) Chlorobenzene	9.449	112	307848	51.60	ug/L	98
52) Ethylbenzene	9.571	91	549610	53.84	ug/L	99
53) m,p-Xylene	9.697	106	210147	54.34	ug/L	99
54) o-xylene	10.102	106	211545	55.67	ug/L	100
55) Styrene	10.118	104	356822	54.60	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	230748	51.35	ug/L	99
59) Bromoform	10.295	173	84965	52.02	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	185449	50.91	ug/L	98
61) Isopropylbenzene	10.488	105	541079	56.14	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	458169	56.92	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	473213	57.41	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	231796	52.04	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	233089	51.00	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	239117	52.29	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	56241	53.72	ug/L	98
69) 1,3,5-Trichlorobenzene	13.221	180	157915	51.08	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	137233	53.42	ug/L	100
71) Naphthalene	14.089	128	538618	60.51	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	140890	53.61	ug/L	100

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

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