

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045134.D
 Acq On : 05 Oct 2021 10:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

Quant Time: Oct 06 01:37:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	273089	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	259722	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	130056	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	125541	41.99	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.98%		
7) Chloroethane-d5	1.912	69	110123	46.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.98%		
11) 1,1-Dichloroethene-d2	2.572	63	237667	47.34	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.68%		
21) 2-Butanone-d5	4.629	46	234598	99.26	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.26%		
24) Chloroform-d	5.070	84	230676	48.86	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.72%		
26) 1,2-Dichloroethane-d4	5.706	65	155424	48.60	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.20%		
32) Benzene-d6	5.732	84	459527	50.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.98%		
36) 1,2-Dichloropropane-d6	6.697	67	145720	49.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.18%		
41) Toluene-d8	7.902	98	413521	53.17	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.34%		
43) trans-1,3-Dichloroprop...	8.182	79	69816	53.41	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	106.82%		
47) 2-Hexanone-d5	8.639	63	168217	103.30	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	103.30%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	221785	48.47	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.94%		
66) 1,2-Dichlorobenzene-d4	12.195	152	152370	53.83	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.66%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	126979	48.56	ug/L	99
3) Chloromethane	1.520	50	133291	40.90	ug/L	99
5) Vinyl chloride	1.607	62	143149	44.83	ug/L	99
6) Bromomethane	1.855	94	81188	53.01	ug/L	99
8) Chloroethane	1.932	64	93950	46.88	ug/L	99
9) Trichlorofluoromethane	2.141	101	183537	50.22	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	115386	50.02	ug/L	99
12) 1,1-Dichloroethene	2.584	96	109685	51.87	ug/L	89
13) Acetone	2.636	43	201678	73.82	ug/L	98
14) Carbon disulfide	2.800	76	316852	46.77	ug/L	100
15) Methyl Acetate	2.954	43	157151	46.64	ug/L	95
16) Methylene chloride	3.051	84	127617	47.63	ug/L	94
17) trans-1,2-Dichloroethene	3.359	96	115006	51.62	ug/L	97
18) Methyl tert-butyl Ether	3.372	73	398495	54.25	ug/L	99
19) 1,1-Dichloroethane	3.877	63	223969	48.33	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	129680	52.83	ug/L	92
22) 2-Butanone	4.710	43	263996	86.34	ug/L	96
23) Bromochloromethane	4.980	128	62680	50.37	ug/L	90
25) Chloroform	5.096	83	226880	49.24	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045134.D
 Acq On : 05 Oct 2021 10:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050087

Quant Time: Oct 06 01:37:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 05 02:41:56 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	190156	49.35	ug/L	100
29) Cyclohexane	5.395	56	205431	52.62	ug/L	95
30) 1,1,1-Trichloroethane	5.324	97	189856	52.81	ug/L	98
31) Carbon tetrachloride	5.530	117	147363	51.90	ug/L	98
33) Benzene	5.780	78	498802	51.78	ug/L	100
34) Trichloroethene	6.546	95	123009	53.16	ug/L	98
35) Methylcyclohexane	6.768	83	209910	54.19	ug/L	96
37) 1,2-Dichloropropane	6.796	63	128948	49.16	ug/L	99
38) Bromodichloromethane	7.112	83	166649	51.84	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	203653	54.27	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	445247	101.62	ug/L	96
42) Toluene	7.973	91	528098	53.96	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	195800	54.87	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	124314	52.30	ug/L	99
46) Tetrachloroethene	8.558	164	86593	52.36	ug/L	99
48) 2-Hexanone	8.690	43	373655	96.17	ug/L	99
49) Dibromochloromethane	8.816	129	121465	51.67	ug/L	98
50) 1,2-Dibromoethane	8.928	107	134845	54.19	ug/L	99
51) Chlorobenzene	9.449	112	318815	52.76	ug/L	99
52) Ethylbenzene	9.574	91	573434	55.46	ug/L	100
53) m,p-Xylene	9.697	106	219657	56.08	ug/L	98
54) o-xylene	10.105	106	216406	56.22	ug/L	99
55) Styrene	10.118	104	369975	55.90	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.787	83	223811	49.18	ug/L	100
59) Bromoform	10.295	173	86500	53.63	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	186948	51.97	ug/L	100
61) Isopropylbenzene	10.488	105	559190	58.75	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	490211	61.67	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	497039	61.06	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	243943	55.46	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	244552	54.19	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	246134	54.51	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	58961	57.04	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	171651	56.23	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	148559	58.56	ug/L	100
71) Naphthalene	14.089	128	553801	63.00	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	151333	58.31	ug/L	99

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

