

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045132.D
 Acq On : 05 Oct 2021 05:57
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050086

Quant Time: Oct 05 07:05:46 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	291357	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	277822	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	137598	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	134766	42.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.50%
7) Chloroethane-d5	1.909	69	102513	40.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.12%
11) 1,1-Dichloroethene-d2	2.568	63	242452	45.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.52%
21) 2-Butanone-d5	4.636	46	246996	97.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.95%
24) Chloroform-d	5.070	84	239835	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
26) 1,2-Dichloroethane-d4	5.706	65	163281	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
32) Benzene-d6	5.732	84	486003	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
36) 1,2-Dichloropropane-d6	6.694	67	150858	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.98%
41) Toluene-d8	7.899	98	437698	52.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.22%
43) trans-1,3-Dichloroprop...	8.182	79	70647	50.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.04%
47) 2-Hexanone-d5	8.642	63	179870	103.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.26%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	241115	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
66) 1,2-Dichlorobenzene-d4	12.195	152	159709	53.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.66%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	121221	43.45	ug/L	99
3) Chloromethane	1.520	50	132900	38.22	ug/L	99
5) Vinyl chloride	1.607	62	142364	41.79	ug/L	100
6) Bromomethane	1.855	94	68775	42.09	ug/L	97
8) Chloroethane	1.928	64	91925	42.99	ug/L	100
9) Trichlorofluoromethane	2.137	101	181948	46.66	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	108475	44.08	ug/L	99
12) 1,1-Dichloroethene	2.581	96	104850	46.47	ug/L	97
13) Acetone	2.642	43	146078	50.12	ug/L	99
14) Carbon disulfide	2.797	76	310790	43.00	ug/L	100
15) Methyl Acetate	2.954	43	158492	44.09	ug/L	95
16) Methylene chloride	3.051	84	129425	45.28	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	112583	47.37	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	400299	51.08	ug/L	99
19) 1,1-Dichloroethane	3.877	63	222939	45.09	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	126434	48.28	ug/L	95
22) 2-Butanone	4.713	43	246479	75.55	ug/L	95
23) Bromochloromethane	4.980	128	62368	46.98	ug/L	92
25) Chloroform	5.092	83	225084	45.79	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	193420	47.05	ug/L	99
29) Cyclohexane	5.391	56	203071	48.63	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	187946	48.87	ug/L	98
31) Carbon tetrachloride	5.530	117	145010	47.74	ug/L	98
33) Benzene	5.777	78	504489	48.96	ug/L	100
34) Trichloroethene	6.546	95	120925	48.86	ug/L	97
35) Methylcyclohexane	6.768	83	199140	48.06	ug/L	96
37) 1,2-Dichloropropane	6.793	63	130003	46.34	ug/L	99
38) Bromodichloromethane	7.108	83	165946	48.25	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	192487	47.95	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	456471	97.40	ug/L	96
42) Toluene	7.973	91	532336	50.85	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	184959	48.46	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	124727	49.06	ug/L	99
46) Tetrachloroethene	8.555	164	82493	46.63	ug/L	99
48) 2-Hexanone	8.690	43	367785	88.50	ug/L	97
49) Dibromochloromethane	8.812	129	122510	48.72	ug/L	98
50) 1,2-Dibromoethane	8.925	107	134442	50.50	ug/L	99
51) Chlorobenzene	9.449	112	317594	49.14	ug/L	99
52) Ethylbenzene	9.571	91	565785	51.16	ug/L	100
53) m,p-Xylene	9.697	106	218563	52.16	ug/L	95
54) o-xylene	10.102	106	215374	52.31	ug/L	97
55) Styrene	10.118	104	366027	51.70	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	231674	47.59	ug/L	99
59) Bromoform	10.295	173	87987	51.56	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	192710	50.64	ug/L	100
61) Isopropylbenzene	10.488	105	558496	55.46	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	474895	56.47	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	483332	56.12	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	238346	51.22	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	235306	49.28	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	247000	51.70	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	57301	52.39	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	159615	49.42	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	138447	51.59	ug/L	99
71) Naphthalene	14.089	128	542025	58.28	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	145310	52.92	ug/L	98

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

