

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100621\
 Data File : VU045173.D
 Acq On : 06 Oct 2021 10:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

Quant Time: Oct 07 02:56:00 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	289691	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	275410	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	142971	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	125718	39.643	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.280%
7) Chloroethane-d5	1.906	69	100930	40.163	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.320%
11) 1,1-Dichloroethene-d2	2.571	63	223352	41.939	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.880%
21) 2-Butanone-d5	4.626	46	192079	76.613	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.610%
24) Chloroform-d	5.070	84	209209	41.769	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.540%
26) 1,2-Dichloroethane-d4	5.706	65	138928	40.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.900%
32) Benzene-d6	5.732	84	415807	43.510	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.020%
36) 1,2-Dichloropropane-d6	6.697	67	130147	41.766	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.540%
41) Toluene-d8	7.902	98	374572	45.418	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.840%
43) trans-1,3-Dichloroprop...	8.185	79	64321	46.403	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.800%
47) 2-Hexanone-d5	8.635	63	139937	81.036	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.040%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	197793	40.762	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.520%
66) 1,2-Dichlorobenzene-d4	12.198	152	139638	44.879	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	124815	44.998	ug/L	99
3) Chloromethane	1.520	50	132171	38.228	ug/L	99
5) Vinyl chloride	1.607	62	141701	41.833	ug/L	99
6) Bromomethane	1.845	94	69136	42.554	ug/L	100
8) Chloroethane	1.928	64	90787	42.704	ug/L	100
9) Trichlorofluoromethane	2.137	101	177767	45.852	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	112776	46.086	ug/L	98
12) 1,1-Dichloroethene	2.581	96	104236	46.465	ug/L	96
13) Acetone	2.632	43	218121	75.263	ug/L	99
14) Carbon disulfide	2.796	76	310579	43.215	ug/L	100
15) Methyl Acetate	2.951	43	150108	41.997	ug/L	95
16) Methylene chloride	3.050	84	125012	43.986	ug/L	92
17) trans-1,2-Dichloroethene	3.356	96	112018	47.402	ug/L	97
18) Methyl tert-butyl Ether	3.369	73	384395	49.331	ug/L	99
19) 1,1-Dichloroethane	3.874	63	221528	45.060	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	124966	47.989	ug/L	91
22) 2-Butanone	4.706	43	259776	80.088	ug/L	97
23) Bromochloromethane	4.980	128	60448	45.791	ug/L	93
25) Chloroform	5.095	83	219129	44.835	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	186420	45.603	ug/L	99
29) Cyclohexane	5.394	56	202411	48.894	ug/L	96
30) 1,1,1-Trichloroethane	5.320	97	182054	47.753	ug/L	98
31) Carbon tetrachloride	5.529	117	142037	47.170	ug/L	99
33) Benzene	5.780	78	487058	47.682	ug/L	100
34) Trichloroethene	6.545	95	118521	48.307	ug/L	98
35) Methylcyclohexane	6.767	83	206686	50.317	ug/L	97
37) 1,2-Dichloropropane	6.796	63	127643	45.895	ug/L	100
38) Bromodichloromethane	7.111	83	165139	48.440	ug/L	100
39) cis-1,3-Dichloropropene	7.613	75	198523	49.887	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	415018	89.329	ug/L	97
42) Toluene	7.973	91	513409	49.467	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	189163	49.991	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	120405	47.771	ug/L	99
46) Tetrachloroethene	8.558	164	82729	47.175	ug/L	98
48) 2-Hexanone	8.687	43	352254	85.501	ug/L	97
49) Dibromochloromethane	8.816	129	117240	47.033	ug/L	100
50) 1,2-Dibromoethane	8.928	107	127443	48.294	ug/L	99
51) Chlorobenzene	9.452	112	307202	47.945	ug/L	100
52) Ethylbenzene	9.574	91	555246	50.642	ug/L	100
53) m,p-Xylene	9.697	106	215322	51.841	ug/L	99
54) o-xylene	10.105	106	211110	51.724	ug/L	100
55) Styrene	10.118	104	361959	51.569	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	218497	45.275	ug/L	99
59) Bromoform	10.295	173	83027	46.825	ug/L	100
60) 1,2,3-Trichloropropane	10.828	75	180364	45.612	ug/L	100
61) Isopropylbenzene	10.487	105	550276	52.591	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	482126	55.174	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	492360	55.024	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	240954	49.831	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	242370	48.854	ug/L	100
67) 1,2-Dichlorobenzene	12.217	146	242646	48.881	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.002	75	54763	48.190	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	174058	51.869	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	151271	54.247	ug/L	99
71) Naphthalene	14.089	128	544702	56.368	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	151820	53.212	ug/L	98

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

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