

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045110.D
 Acq On : 04 Oct 2021 21:01
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085

Quant Time: Oct 05 02:49:42 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	330262	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	310947	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	156127	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	147921	40.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.82%
7) Chloroethane-d5	1.900	69	65091	22.72	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	45.44%#
11) 1,1-Dichloroethene-d2	2.568	63	263475	43.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.80%
21) 2-Butanone-d5	4.633	46	268374	93.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.89%
24) Chloroform-d	5.067	84	255395	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
26) 1,2-Dichloroethane-d4	5.706	65	174002	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
32) Benzene-d6	5.732	84	517735	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
36) 1,2-Dichloropropane-d6	6.694	67	164380	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.44%
41) Toluene-d8	7.903	98	464509	49.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.78%
43) trans-1,3-Dichloroprop...	8.182	79	78425	50.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.22%
47) 2-Hexanone-d5	8.642	63	202624	103.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.93%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	266080	48.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.14%
66) 1,2-Dichlorobenzene-d4	12.195	152	173059	50.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.86%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	139372	44.07	ug/L	99
3) Chloromethane	1.520	50	161625	41.00	ug/L	100
5) Vinyl chloride	1.607	62	160601	41.59	ug/L	97
6) Bromomethane	1.848	94	58137	31.39	ug/L	99
8) Chloroethane	1.919	64	63980	26.40	ug/L	99
9) Trichlorofluoromethane	2.131	101	192671	43.59	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	116690	41.83	ug/L	100
12) 1,1-Dichloroethene	2.578	96	116804	45.67	ug/L	96
13) Acetone	2.639	43	162438	49.16	ug/L	99
14) Carbon disulfide	2.793	76	347676	42.43	ug/L	100
15) Methyl Acetate	2.954	43	177142	43.47	ug/L	96
16) Methylene chloride	3.047	84	140482	43.36	ug/L	93
17) trans-1,2-Dichloroethene	3.356	96	124269	46.13	ug/L	96
18) Methyl tert-butyl Ether	3.369	73	453255	51.02	ug/L	98
19) 1,1-Dichloroethane	3.874	63	249243	44.47	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	141922	47.81	ug/L	93
22) 2-Butanone	4.713	43	273326	73.91	ug/L	97
23) Bromochloromethane	4.980	128	68125	45.27	ug/L	93
25) Chloroform	5.092	83	247192	44.36	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	210208	45.11	ug/L	100
29) Cyclohexane	5.391	56	230318	49.28	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	206497	47.97	ug/L	98
31) Carbon tetrachloride	5.526	117	157736	46.40	ug/L	98
33) Benzene	5.777	78	557430	48.33	ug/L	100
34) Trichloroethene	6.546	95	135194	48.81	ug/L	99
35) Methylcyclohexane	6.768	83	224487	48.40	ug/L	97
37) 1,2-Dichloropropane	6.796	63	144770	46.10	ug/L	99
38) Bromodichloromethane	7.108	83	183761	47.74	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	223793	49.81	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	527113	100.49	ug/L	97
42) Toluene	7.973	91	580681	49.55	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	214501	50.21	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	137317	48.25	ug/L	99
46) Tetrachloroethene	8.555	164	93217	47.08	ug/L	96
48) 2-Hexanone	8.694	43	423525	91.05	ug/L	98
49) Dibromochloromethane	8.812	129	131755	46.82	ug/L	99
50) 1,2-Dibromoethane	8.928	107	147639	49.55	ug/L	98
51) Chlorobenzene	9.449	112	350407	48.44	ug/L	99
52) Ethylbenzene	9.574	91	626889	50.64	ug/L	100
53) m,p-Xylene	9.697	106	241850	51.57	ug/L	97
54) o-xylene	10.102	106	238124	51.68	ug/L	97
55) Styrene	10.118	104	406139	51.25	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.787	83	266877	48.98	ug/L	99
59) Bromoform	10.295	173	96636	49.91	ug/L	100
60) 1,2,3-Trichloropropane	10.828	75	216922	50.23	ug/L	99
61) Isopropylbenzene	10.488	105	617439	54.04	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	534611	56.03	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	548437	56.13	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	265027	50.19	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	267316	49.34	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	275211	50.77	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	65814	53.03	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	181463	49.52	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	163076	53.55	ug/L	100
71) Naphthalene	14.089	128	667987	63.30	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	166891	53.57	ug/L	98

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

