

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011821\
 Data File : VU042088.D
 Acq On : 18 Jan 2021 11:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050161

Quant Time: Jan 19 00:56:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 13 05:59:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	284368	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	227993	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	121826	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	128137	41.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.16%
7) Chloroethane-d5	1.919	69	104242	42.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.12%
11) 1,1-Dichloroethene-d2	2.578	63	208728	41.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.44%
21) 2-Butanone-d5	4.639	46	163450	69.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.14%
24) Chloroform-d	5.079	84	199503	41.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.78%
26) 1,2-Dichloroethane-d4	5.713	65	130912	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.42%
32) Benzene-d6	5.739	84	424575	53.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.56%
36) 1,2-Dichloropropane-d6	6.703	67	121355	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.38%
41) Toluene-d8	7.902	98	325156	47.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.98%
43) trans-1,3-Dichloroprop...	8.185	79	58402	46.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.98%
47) 2-Hexanone-d5	8.639	63	114885	83.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.67%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	158813	43.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.32%
66) 1,2-Dichlorobenzene-d4	12.188	152	123392	48.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.30%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118524	43.57	ug/L	98
3) Chloromethane	1.523	50	125209	39.39	ug/L	99
5) Vinyl chloride	1.607	62	137756	42.13	ug/L	99
6) Bromomethane	1.861	94	90244	45.19	ug/L	97
8) Chloroethane	1.938	64	81619	40.77	ug/L	100
9) Trichlorofluoromethane	2.144	101	179273	43.87	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.591	101	101861	44.74	ug/L	94
12) 1,1-Dichloroethene	2.591	96	98072	45.20	ug/L	84
13) Acetone	2.642	43	170631	85.29	ug/L	97
14) Carbon disulfide	2.803	76	309431	44.04	ug/L	99
15) Methyl Acetate	2.961	43	122645	39.06	ug/L	95
16) Methylene chloride	3.057	84	115357	45.73	ug/L	93
17) trans-1,2-Dichloroethene	3.366	96	103358	45.30	ug/L	94
18) Methyl tert-butyl Ether	3.375	73	327246	44.26	ug/L	98
19) 1,1-Dichloroethane	3.887	63	190900	42.29	ug/L	99
20) cis-1,2-Dichloroethene	4.681	96	101794	41.37	ug/L	96
22) 2-Butanone	4.719	43	198300	75.48	ug/L	93
23) Bromochloromethane	4.989	128	57484	48.70	ug/L	88
25) Chloroform	5.105	83	188280	41.96	ug/L	95

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27) 1,2-Dichloroethane	5.806	62	149380	43.43	ug/L	99
29) Cyclohexane	5.404	56	156052	45.50	ug/L	94
30) 1,1,1-Trichloroethane	5.330	97	166757	49.05	ug/L	97
31) Carbon tetrachloride	5.536	117	139387	49.31	ug/L	100
33) Benzene	5.787	78	447764	52.99	ug/L	100
34) Trichloroethene	6.552	95	106685	51.32	ug/L	98
35) Methylcyclohexane	6.771	83	155702	51.05	ug/L	97
37) 1,2-Dichloropropane	6.800	63	102752	46.32	ug/L	100
38) Bromodichloromethane	7.115	83	126877	46.05	ug/L	98
39) cis-1,3-Dichloropropene	7.613	75	150497	46.15	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	269651	78.63	ug/L	96
42) Toluene	7.973	91	384283	47.74	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	150486	48.03	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	91456	47.24	ug/L	95
46) Tetrachloroethene	8.555	164	67698	51.87	ug/L	99
48) 2-Hexanone	8.687	43	232890	82.05	ug/L	98
49) Dibromochloromethane	8.812	129	101255	49.12	ug/L	96
50) 1,2-Dibromoethane	8.925	107	96984	47.80	ug/L	99
51) Chlorobenzene	9.449	112	241891	48.92	ug/L	98
52) Ethylbenzene	9.571	91	424576	49.47	ug/L	99
53) m,p-Xylene	9.693	106	159928	51.37	ug/L	97
54) o-xylene	10.102	106	154811	51.49	ug/L	96
55) Styrene	10.115	104	276613	52.25	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.780	83	155755	43.44	ug/L	97
59) Bromoform	10.291	173	75556	47.72	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	130091	40.85	ug/L	98
61) Isopropylbenzene	10.484	105	412955	48.38	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	352905	48.79	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	361257	49.90	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	195719	50.12	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	199081	50.99	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	195348	48.93	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	40993	40.61	ug/L	89
69) 1,3,5-Trichlorobenzene	13.211	180	133701	50.72	ug/L	100
70) 1,2,4-trichlorobenzene	13.828	180	117194	57.67	ug/L	97
71) Naphthalene	14.076	128	399756	57.13	ug/L	99
72) 1,2,3-Trichlorobenzene	14.317	180	118820	57.07	ug/L	99

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

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