

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020620\
 Data File : VU036689.D
 Acq On : 06 Feb 2020 16:35
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD050107

Quant Time: Feb 07 04:55:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 04:51:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	265904	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	248987	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	114281	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85158	48.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.04%
7) Chloroethane-d5	1.93	69	78792	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.84%
11) 1,1-Dichloroethene-d2	2.59	63	166823	49.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.66%
21) 2-Butanone-d5	4.68	46	154898	102.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.38%
24) Chloroform-d	5.11	84	163628	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.96%
26) 1,2-Dichloroethane-d4	5.75	65	108798	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.12%
32) Benzene-d6	5.77	84	331243	50.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.73	67	108393	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.76%
41) Toluene-d8	7.93	98	299507	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%
43) trans-1,3-Dichloropropene-	8.21	79	52882	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.64%
47) 2-Hexanone-d5	8.67	63	123117	99.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.27%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	159779	49.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.78%
66) 1,2-Dichlorobenzene-d4	12.21	152	104488	50.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	94055	51.196	ug/L	99
3) Chloromethane	1.54	50	107937	49.579	ug/L	100
5) Vinyl chloride	1.62	62	121243	51.722	ug/L	97
6) Bromomethane	1.87	94	83051	56.505	ug/L	99
8) Chloroethane	1.95	64	74847	50.309	ug/L	98
9) Trichlorofluoromethane	2.16	101	142296	51.084	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	84863	50.864	ug/L	98
12) 1,1-Dichloroethene	2.60	96	83772	51.575	ug/L	95
13) Acetone	2.66	43	151415	94.212	ug/L	100
14) Carbon disulfide	2.82	76	246261	50.734	ug/L	100
15) Methyl Acetate	2.99	43	117497	50.569	ug/L	100
16) Methylene chloride	3.08	84	99931	49.846	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	88488	51.201	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	306586	51.113	ug/L	100
19) 1,1-Dichloroethane	3.92	63	178037	51.702	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	102226	51.913	ug/L	97
22) 2-Butanone	4.76	43	185523	97.260	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	46440	50.327	ug/L	98
25) Chloroform	5.13	83	171423	51.187	ug/L	99
27) 1,2-Dichloroethane	5.84	62	143880	51.088	ug/L	99
29) Cyclohexane	5.43	56	162331	50.755	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	137905	52.140	ug/L	99
31) Carbon tetrachloride	5.57	117	111647	52.133	ug/L	100
33) Benzene	5.82	78	392153	52.072	ug/L	100
34) Trichloroethene	6.58	95	96980	52.075	ug/L	98
35) Methylcyclohexane	6.80	83	170710	52.051	ug/L	99
37) 1,2-Dichloropropane	6.83	63	108117	53.240	ug/L	99
38) Bromodichloromethane	7.14	83	127266	51.571	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	169235	52.157	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	322312	100.455	ug/L	99
42) Toluene	8.00	91	422653	51.938	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	146922	51.832	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	95440	51.517	ug/L	98
46) Tetrachloroethene	8.58	164	65241	49.922	ug/L	97
48) 2-Hexanone	8.72	43	264270	100.969	ug/L	99
49) Dibromochloromethane	8.84	129	93517	51.610	ug/L	99
50) 1,2-Dibromoethane	8.95	107	101179	51.987	ug/L	99
51) Chlorobenzene	9.47	112	250728	51.168	ug/L	99
52) Ethylbenzene	9.60	91	460352	51.483	ug/L	99
53) m,p-Xylene	9.72	106	170590	51.716	ug/L	100
54) o-xylene	10.12	106	165764	50.728	ug/L	97
55) Styrene	10.14	104	283827	52.117	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	167729	50.244	ug/L	99
59) Bromoform	10.32	173	63446	50.251	ug/L	99
60) 1,2,3-Trichloropropane	10.85	75	134091	49.881	ug/L	99
61) Isopropylbenzene	10.51	105	442485	51.998	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	379199	51.975	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	378045	51.892	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	184834	51.649	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	186075	51.646	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	184832	51.012	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	39104	50.902	ug/L	97
69) 1,3,5-Trichlorobenzene	13.23	180	134121	54.047	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	117513	56.790	ug/L	99
71) Naphthalene	14.10	128	410640	56.298	ug/L	99
72) 1,2,3-Trichlorobenzene	14.34	180	114605	55.592	ug/L	99

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

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