

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030620\
 Data File : VU037100.D
 Acq On : 06 Mar 2020 11:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Mar 07 00:54:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 22:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	240802	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	231306	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	99623	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	73338	36.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.54%
7) Chloroethane-d5	1.92	69	73932	44.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.38%
11) 1,1-Dichloroethene-d2	2.59	63	145974	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.22%
21) 2-Butanone-d5	4.67	46	138482	102.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.09%
24) Chloroform-d	5.10	84	156582	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.42%
26) 1,2-Dichloroethane-d4	5.74	65	103760	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.30%
32) Benzene-d6	5.76	84	313976	46.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.88%
36) 1,2-Dichloropropane-d6	6.72	67	105810	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.66%
41) Toluene-d8	7.92	98	283295	45.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.30%
43) trans-1,3-Dichloropropene-	8.20	79	45830	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
47) 2-Hexanone-d5	8.66	63	99625	94.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.02%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	158888	52.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	92848	47.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	102506	50.186	ug/L 99
3) Chloromethane	1.53	50	115975	49.354	ug/L 100
5) Vinyl chloride	1.62	62	121734	50.224	ug/L 99
6) Bromomethane	1.85	94	60090	48.320	ug/L 100
8) Chloroethane	1.94	64	74837	51.508	ug/L 99
9) Trichlorofluoromethane	2.15	101	136183	52.976	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	83872	54.542	ug/L 99
12) 1,1-Dichloroethene	2.60	96	79023	50.808	ug/L 86
13) Acetone	2.65	43	154204	110.521	ug/L 99
14) Carbon disulfide	2.82	76	227609	46.253	ug/L 100
15) Methyl Acetate	2.98	43	111310	52.340	ug/L 99
16) Methylene chloride	3.08	84	100427	52.938	ug/L 97
17) trans-1,2-Dichloroethene	3.38	96	83511	49.982	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	285816	52.625	ug/L 100
19) 1,1-Dichloroethane	3.91	63	175040	53.915	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	99816	53.428	ug/L 98
22) 2-Butanone	4.74	43	185367	110.175	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	45990	54.358	ug/L	96
25) Chloroform	5.13	83	170057	54.288	ug/L	99
27) 1,2-Dichloroethane	5.83	62	139369	54.649	ug/L	100
29) Cyclohexane	5.42	56	152013	49.524	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	133444	53.809	ug/L	99
31) Carbon tetrachloride	5.56	117	107131	55.114	ug/L	99
33) Benzene	5.81	78	391011	53.510	ug/L	100
34) Trichloroethene	6.57	95	94069	52.376	ug/L	98
35) Methylcyclohexane	6.79	83	159800	51.317	ug/L	99
37) 1,2-Dichloropropane	6.82	63	106793	54.278	ug/L	99
38) Bromodichloromethane	7.14	83	126167	54.325	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	159164	52.515	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	312693	107.856	ug/L	100
42) Toluene	8.00	91	417122	53.580	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	139137	52.921	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	95577	54.627	ug/L	99
46) Tetrachloroethene	8.58	164	61716	52.162	ug/L	99
48) 2-Hexanone	8.71	43	253925	109.756	ug/L	99
49) Dibromochloromethane	8.83	129	91425	55.052	ug/L	100
50) 1,2-Dibromoethane	8.95	107	97733	53.417	ug/L	99
51) Chlorobenzene	9.47	112	247573	53.670	ug/L	99
52) Ethylbenzene	9.59	91	447388	53.011	ug/L	100
53) m,p-Xylene	9.71	106	165851	53.574	ug/L	96
54) o-xylene	10.12	106	166053	53.780	ug/L	100
55) Styrene	10.13	104	277280	54.936	ug/L	99
56) Isopropylbenzene	10.50	105	425747	53.686	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	176953	56.571	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	141261	55.810	ug/L	99
61) Bromoform	10.31	173	62336	55.345	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	175263	54.231	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	173136	54.225	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	175797	54.480	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	33721	52.675	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	112286	54.738	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	77760	50.596	ug/L	99
69) Naphthalene	14.12	128	111420	41.069	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	75288	49.022	ug/L	99

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

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