

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
 Data File : VU037033.D
 Acq On : 04 Mar 2020 10:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Mar 05 00:55:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 04 06:53:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	263166	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108836	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	102974	46.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.18%
7) Chloroethane-d5	1.93	69	94265	51.55	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.10%
11) 1,1-Dichloroethene-d2	2.59	63	180645	48.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.62%
21) 2-Butanone-d5	4.67	46	145512	98.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.16%
24) Chloroform-d	5.11	84	181352	53.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.48%
26) 1,2-Dichloroethane-d4	5.74	65	117009	51.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.46%
32) Benzene-d6	5.76	84	374730	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
36) 1,2-Dichloropropane-d6	6.72	67	121208	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.40%
41) Toluene-d8	7.92	98	343976	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%
43) trans-1,3-Dichloropropene-	8.20	79	52137	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.78%
47) 2-Hexanone-d5	8.66	63	105810	91.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.41%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	169694	50.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.68%
64) 1,2-Dichlorobenzene-d4	12.21	152	107505	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	115762	51.860	ug/L 100
3) Chloromethane	1.54	50	129067	50.258	ug/L 98
5) Vinyl chloride	1.62	62	135079	50.994	ug/L 100
6) Bromomethane	1.87	94	76822	56.525	ug/L 100
8) Chloroethane	1.95	64	82956	52.244	ug/L 100
9) Trichlorofluoromethane	2.16	101	153075	54.487	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	93091	55.392	ug/L 100
12) 1,1-Dichloroethene	2.60	96	86907	51.128	ug/L 91
13) Acetone	2.65	43	184147	120.766	ug/L 98
14) Carbon disulfide	2.82	76	251628	46.788	ug/L 99
15) Methyl Acetate	2.98	43	119080	51.236	ug/L 99
16) Methylene chloride	3.08	84	110228	53.167	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	92741	50.789	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	304428	51.289	ug/L 99
19) 1,1-Dichloroethane	3.91	63	187767	52.921	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	107431	52.617	ug/L 99
22) 2-Butanone	4.75	43	209286	113.820	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	49870	53.934	ug/L	95
25) Chloroform	5.13	83	183303	53.544	ug/L	99
27) 1,2-Dichloroethane	5.83	62	148586	53.312	ug/L	100
29) Cyclohexane	5.43	56	160731	47.935	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	143805	53.082	ug/L	98
31) Carbon tetrachloride	5.56	117	114950	54.134	ug/L	98
33) Benzene	5.81	78	418324	52.405	ug/L	100
34) Trichloroethene	6.57	95	101840	51.907	ug/L	98
35) Methylcyclohexane	6.79	83	170987	50.265	ug/L	99
37) 1,2-Dichloropropane	6.82	63	113158	52.648	ug/L	100
38) Bromodichloromethane	7.14	83	134906	53.174	ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	166848	50.394	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	322224	101.741	ug/L	99
42) Toluene	8.00	91	447155	52.579	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	148491	51.701	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	103980	54.402	ug/L	98
46) Tetrachloroethene	8.58	164	67740	52.410	ug/L	99
48) 2-Hexanone	8.71	43	266357	105.390	ug/L	99
49) Dibromochloromethane	8.83	129	97773	53.894	ug/L	99
50) 1,2-Dibromoethane	8.95	107	105754	52.911	ug/L	99
51) Chlorobenzene	9.47	112	264302	52.450	ug/L	99
52) Ethylbenzene	9.59	91	477151	51.755	ug/L	99
53) m,p-Xylene	9.71	106	179436	53.059	ug/L	99
54) o-xylene	10.12	106	174311	51.679	ug/L	99
55) Styrene	10.13	104	291998	52.958	ug/L	98
56) Isopropylbenzene	10.50	105	449647	51.903	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	182648	53.452	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	145791	52.728	ug/L	99
61) Bromoform	10.31	173	66299	53.880	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	188487	53.386	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	186200	53.380	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	190218	53.959	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	37381	53.450	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	123512	55.114	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	89089	53.060	ug/L	98
69) Naphthalene	14.12	128	128412	43.325	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	89960	53.616	ug/L	98

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

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