

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU031988.D
 Acq On : 14 May 2019 12:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: May 15 02:10:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 15 02:07:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1096663	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1109070	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	499401	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	451147	46.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.76%
7) Chloroethane-d5	1.67	69	373677	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.27	63	815309	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.54%
21) 2-Butanone-d5	4.17	46	701626	104.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.12%
24) Chloroform-d	4.64	84	772828	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.31	65	480751	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
32) Benzene-d6	5.33	84	1602220	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.32	67	514658	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.16%
41) Toluene-d8	7.56	98	1474973	51.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.54%
43) trans-1,3-Dichloropropene-	7.85	79	238051	50.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.86%
47) 2-Hexanone-d5	8.31	63	469657	109.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	765253	48.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	521052	49.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	457719	45.334	ug/L 99
3) Chloromethane	1.32	50	516849	45.837	ug/L 99
5) Vinyl chloride	1.40	62	546125	46.235	ug/L 98
6) Bromomethane	1.61	94	303058	48.814	ug/L 94
8) Chloroethane	1.69	64	326600	46.730	ug/L 98
9) Trichlorofluoromethane	1.88	101	614155	45.940	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	376000	46.072	ug/L 99
12) 1,1-Dichloroethene	2.28	96	374198	46.201	ug/L 99
13) Acetone	2.32	43	632385	91.283	ug/L 100
14) Carbon disulfide	2.47	76	1230367	47.029	ug/L 100
15) Methyl Acetate	2.61	43	499328	47.468	ug/L # 100
16) Methylene chloride	2.70	84	454646	46.030	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	399906	47.463	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	1273013	49.170	ug/L 100
19) 1,1-Dichloroethane	3.44	63	785576	47.481	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	456429	48.975	ug/L 97
22) 2-Butanone	4.25	43	819059	102.502	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	217573	47.634	ug/L	98
25) Chloroform	4.67	83	764382	46.748	ug/L	97
27) 1,2-Dichloroethane	5.40	62	600865	47.477	ug/L	100
29) Cyclohexane	4.99	56	704904	51.851	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	609127	47.366	ug/L	99
31) Carbon tetrachloride	5.13	117	508842	47.428	ug/L	99
33) Benzene	5.38	78	1736312	47.794	ug/L	100
34) Trichloroethene	6.18	95	438589	48.749	ug/L	97
35) Methylcyclohexane	6.41	83	684750	49.635	ug/L	99
37) 1,2-Dichloropropane	6.43	63	475757	48.758	ug/L	100
38) Bromodichloromethane	6.75	83	575683	48.282	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	679868	49.075	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	1378490	104.124	ug/L	100
42) Toluene	7.63	91	1876260	50.329	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	611979	50.301	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	429273	47.980	ug/L	99
46) Tetrachloroethene	8.22	164	306974	48.327	ug/L	97
48) 2-Hexanone	8.36	43	1146690	106.717	ug/L	99
49) Dibromochloromethane	8.47	129	430760	47.998	ug/L	100
50) 1,2-Dibromoethane	8.58	107	455937	48.155	ug/L	99
51) Chlorobenzene	9.12	112	1117054	47.193	ug/L	99
52) Ethylbenzene	9.24	91	2021786	50.679	ug/L	99
53) m,p-Xylene	9.37	106	759629	52.177	ug/L	99
54) o-xylene	9.77	106	748169	52.047	ug/L	100
55) Styrene	9.79	104	1295773	52.512	ug/L	99
56) Isopropylbenzene	10.16	105	1914704	51.985	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	771229	47.756	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	603497	47.417	ug/L	100
61) Bromoform	9.95	173	310229	46.544	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	806751	49.374	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	827978	47.907	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	850545	49.122	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	164869	49.288	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	596505	50.906	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	501115	55.523	ug/L	99
69) Naphthalene	13.74	128	1842540	61.315	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	544279	55.398	ug/L	100

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

