

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU053019\
 Data File : VU032389.D
 Acq On : 30 May 2019 18:09
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: May 31 04:40:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 04:34:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	866309	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	838133	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	424848	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	264661	41.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.90%
7) Chloroethane-d5	1.67	69	218582	42.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.78%
11) 1,1-Dichloroethene-d2	2.27	63	489876	43.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.36%
21) 2-Butanone-d5	4.17	46	403599	96.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.04%
24) Chloroform-d	4.64	84	500965	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
26) 1,2-Dichloroethane-d4	5.30	65	302855	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.58%
32) Benzene-d6	5.33	84	1026185	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
36) 1,2-Dichloropropane-d6	6.32	67	321801	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.32%
41) Toluene-d8	7.56	98	967690	47.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.36%
43) trans-1,3-Dichloropropene-	7.85	79	148307	47.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.92%
47) 2-Hexanone-d5	8.31	63	283527	99.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.03%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	478456	45.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.78%
64) 1,2-Dichlorobenzene-d4	11.85	152	397987	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	321403	47.818	ug/L	99
3) Chloromethane	1.33	50	326564	45.849	ug/L	99
5) Vinyl chloride	1.40	62	341111	46.959	ug/L	95
6) Bromomethane	1.61	94	201668	43.413	ug/L	95
8) Chloroethane	1.69	64	203398	46.298	ug/L	98
9) Trichlorofluoromethane	1.88	101	436239	47.883	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	264174	48.045	ug/L	99
12) 1,1-Dichloroethene	2.28	96	267269	47.662	ug/L	99
13) Acetone	2.32	43	336695	85.015	ug/L	100
14) Carbon disulfide	2.47	76	738904	43.914	ug/L	99
15) Methyl Acetate	2.61	43	292203	46.168	ug/L	98
16) Methylene chloride	2.70	84	309015	47.275	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	281412	48.713	ug/L	91
18) Methyl tert-butyl Ether	3.00	73	893000	51.057	ug/L	100
19) 1,1-Dichloroethane	3.44	63	503815	48.014	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	316178	48.828	ug/L	96
22) 2-Butanone	4.26	43	458350	96.095	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	162516	47.566	ug/L	98
25) Chloroform	4.67	83	523512	47.965	ug/L	97
27) 1,2-Dichloroethane	5.40	62	393658	48.457	ug/L	100
29) Cyclohexane	4.99	56	454606	53.109	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	441802	50.323	ug/L	99
31) Carbon tetrachloride	5.13	117	375307	49.923	ug/L	99
33) Benzene	5.38	78	1184102	50.484	ug/L	100
34) Trichloroethene	6.18	95	305551	50.423	ug/L	96
35) Methylcyclohexane	6.41	83	475563	51.651	ug/L	98
37) 1,2-Dichloropropane	6.43	63	304381	49.685	ug/L	99
38) Bromodichloromethane	6.75	83	385711	48.992	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	467492	51.630	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	801747	100.334	ug/L	99
42) Toluene	7.63	91	1295199	50.721	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	401759	50.662	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	299855	50.059	ug/L	99
46) Tetrachloroethene	8.22	164	245042	49.775	ug/L	97
48) 2-Hexanone	8.36	43	638497	97.946	ug/L	100
49) Dibromochloromethane	8.47	129	321102	49.494	ug/L	98
50) 1,2-Dibromoethane	8.58	107	318032	50.334	ug/L	100
51) Chlorobenzene	9.12	112	815568	49.537	ug/L	100
52) Ethylbenzene	9.24	91	1442648	52.920	ug/L	99
53) m,p-Xylene	9.37	106	553505	52.772	ug/L	99
54) o-xylene	9.77	106	560944	53.287	ug/L	98
55) Styrene	9.79	104	960240	54.373	ug/L	98
56) Isopropylbenzene	10.16	105	1426546	53.404	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	494260	47.787	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	388955	47.863	ug/L	99
61) Bromoform	9.95	173	238366	44.049	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	659209	50.651	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	667037	49.656	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	688855	50.279	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	107712	47.980	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	505232	52.040	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	427754	57.336	ug/L	97
69) Naphthalene	13.74	128	1385873	62.047	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	453530	56.205	ug/L	97

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

