

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU041219\
 Data File : VU031127.D
 Acq On : 12 Apr 2019 14:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: Apr 13 00:45:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 23:21:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	502520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	488080	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	236171	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	227825	50.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.58%
7) Chloroethane-d5	1.67	69	174071	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.26%
11) 1,1-Dichloroethene-d2	2.27	63	400481	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
21) 2-Butanone-d5	4.17	46	350899	98.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.70%
24) Chloroform-d	4.64	84	367615	53.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.30%
26) 1,2-Dichloroethane-d4	5.30	65	237206	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.46%
32) Benzene-d6	5.33	84	742797	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
36) 1,2-Dichloropropane-d6	6.32	67	243941	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.92%
41) Toluene-d8	7.56	98	670736	53.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.22%
43) trans-1,3-Dichloropropene-	7.85	79	113073	50.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.56%
47) 2-Hexanone-d5	8.31	63	220835	98.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	338210	51.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	247894	53.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	212042	48.037	ug/L 99
3) Chloromethane	1.32	50	252864	44.288	ug/L 100
5) Vinyl chloride	1.40	62	259331	46.921	ug/L 96
6) Bromomethane	1.62	94	130647	45.626	ug/L 99
8) Chloroethane	1.69	64	153572	48.717	ug/L 99
9) Trichlorofluoromethane	1.88	101	327725	50.889	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	184395	51.245	ug/L 98
12) 1,1-Dichloroethene	2.28	96	170001	48.940	ug/L 91
13) Acetone	2.32	43	346965	95.371	ug/L 97
14) Carbon disulfide	2.47	76	503613	46.669	ug/L 98
15) Methyl Acetate	2.61	43	266523	47.249	ug/L 99
16) Methylene chloride	2.69	84	211149	50.037	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	181792	49.289	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	615037	49.781	ug/L 99
19) 1,1-Dichloroethane	3.44	63	372919	48.994	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	209785	51.513	ug/L 93
22) 2-Butanone	4.25	43	421923	98.915	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	104773	54.418	ug/L	89
25) Chloroform	4.67	83	383755	50.163	ug/L	99
27) 1,2-Dichloroethane	5.40	62	300398	51.449	ug/L	99
29) Cyclohexane	4.99	56	322838	46.408	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	312745	52.578	ug/L	98
31) Carbon tetrachloride	5.13	117	268365	52.356	ug/L	98
33) Benzene	5.38	78	820330	51.360	ug/L	100
34) Trichloroethene	6.18	95	203406	51.923	ug/L	97
35) Methylcyclohexane	6.41	83	312282	51.654	ug/L	96
37) 1,2-Dichloropropane	6.43	63	224672	49.677	ug/L	99
38) Bromodichloromethane	6.75	83	280070	51.332	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	322765	50.140	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	703564	96.738	ug/L	98
42) Toluene	7.63	91	848438	52.039	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	294812	51.967	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	197808	51.571	ug/L	99
46) Tetrachloroethene	8.22	164	152146	53.420	ug/L	99
48) 2-Hexanone	8.36	43	566692	99.872	ug/L	98
49) Dibromochloromethane	8.47	129	221716	54.475	ug/L	99
50) 1,2-Dibromoethane	8.58	107	215648	51.956	ug/L	98
51) Chlorobenzene	9.12	112	525256	52.528	ug/L	98
52) Ethylbenzene	9.24	91	922528	51.910	ug/L	99
53) m,p-Xylene	9.37	106	339921	54.843	ug/L	100
54) o-xylene	9.77	106	327398	53.104	ug/L	99
55) Styrene	9.79	104	587172	55.525	ug/L	98
56) Isopropylbenzene	10.16	105	872831	53.772	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	353527	50.956	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	274558	50.688	ug/L	99
61) Bromoform	9.95	173	162183	51.983	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	389228	52.146	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	400146	52.703	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	401158	53.579	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	78356	49.229	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	298510	54.723	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	248475	53.574	ug/L	100
69) Naphthalene	13.74	128	776034	51.614	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	257754	53.191	ug/L	99

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

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