

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU060819\
 Data File : VU032551.D
 Acq On : 08 Jun 2019 19:20
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Jun 08 23:16:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 23:12:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	211035	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	197364	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106319	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51946	37.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.88%
7) Chloroethane-d5	1.67	69	45640	41.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.96%
11) 1,1-Dichloroethene-d2	2.27	63	112928	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.24%
21) 2-Butanone-d5	4.17	46	117972	102.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.96%
24) Chloroform-d	4.64	84	118803	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
26) 1,2-Dichloroethane-d4	5.30	65	75216	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.33	84	229534	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.32	67	74388	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.60%
41) Toluene-d8	7.56	98	214290	44.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.22%
43) trans-1,3-Dichloropropene-	7.85	79	36454	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.82%
47) 2-Hexanone-d5	8.31	63	80909	103.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112786	48.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	96595	47.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	91580	48.136	ug/L 100
3) Chloromethane	1.32	50	85352	46.428	ug/L 100
5) Vinyl chloride	1.40	62	86467	47.085	ug/L 99
6) Bromomethane	1.62	94	48383	44.211	ug/L 98
8) Chloroethane	1.69	64	49717	45.546	ug/L 100
9) Trichlorofluoromethane	1.88	101	119285	48.104	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	63926	49.568	ug/L 97
12) 1,1-Dichloroethene	2.28	96	61579	49.176	ug/L 88
13) Acetone	2.32	43	99295	83.988	ug/L 100
14) Carbon disulfide	2.47	76	184236	48.422	ug/L 99
15) Methyl Acetate	2.61	43	85899	50.889	ug/L 99
16) Methylene chloride	2.69	84	70858	49.591	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	66579	49.065	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	222875	49.994	ug/L 99
19) 1,1-Dichloroethane	3.44	63	125875	50.884	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	75182	48.956	ug/L 97
22) 2-Butanone	4.25	43	136924	97.992	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39105	48.973	ug/L	96
25) Chloroform	4.67	83	128266	50.246	ug/L	98
27) 1,2-Dichloroethane	5.40	62	102005	50.546	ug/L	99
29) Cyclohexane	4.99	56	115112	49.035	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	111380	49.851	ug/L	98
31) Carbon tetrachloride	5.13	117	101903	49.763	ug/L	99
33) Benzene	5.38	78	280729	50.625	ug/L	100
34) Trichloroethene	6.18	95	75547	50.075	ug/L	99
35) Methylcyclohexane	6.41	83	117096	47.944	ug/L	98
37) 1,2-Dichloropropane	6.42	63	74880	50.939	ug/L	100
38) Bromodichloromethane	6.75	83	96535	51.002	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	119889	51.692	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	244311	103.309	ug/L	100
42) Toluene	7.63	91	302370	49.789	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	105848	51.418	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	70952	51.042	ug/L	98
46) Tetrachloroethene	8.22	164	61290	49.188	ug/L	99
48) 2-Hexanone	8.36	43	201242	103.606	ug/L	99
49) Dibromochloromethane	8.47	129	81963	50.728	ug/L	97
50) 1,2-Dibromoethane	8.58	107	79337	50.706	ug/L	98
51) Chlorobenzene	9.11	112	198901	50.835	ug/L	100
52) Ethylbenzene	9.24	91	340085	50.239	ug/L	99
53) m,p-Xylene	9.37	106	127168	49.404	ug/L	98
54) o-xylene	9.77	106	127517	49.894	ug/L	99
55) Styrene	9.79	104	215380	50.480	ug/L	97
56) Isopropylbenzene	10.16	105	335301	49.754	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	121247	51.034	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	96458	50.477	ug/L	99
61) Bromoform	9.95	173	64425	50.824	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	160844	50.005	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	163239	49.639	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	164754	50.662	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	29854	54.563	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	130155	52.008	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	118299	55.798	ug/L	99
69) Naphthalene	13.74	128	377567	56.459	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	122846	55.675	ug/L	99

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

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