

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061019\
 Data File : VU032553.D
 Acq On : 10 Jun 2019 08:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Jun 11 04:40:27 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	208986	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	195856	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	104944	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	74208	54.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.46%
7) Chloroethane-d5	1.67	69	57470	52.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.48%
11) 1,1-Dichloroethene-d2	2.27	63	141978	53.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.96%
21) 2-Butanone-d5	4.17	46	120837	106.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.49%
24) Chloroform-d	4.64	84	134402	53.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.30%
26) 1,2-Dichloroethane-d4	5.30	65	85378	53.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.20%
32) Benzene-d6	5.33	84	272999	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.38%
36) 1,2-Dichloropropane-d6	6.32	67	85100	53.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.76%
41) Toluene-d8	7.56	98	254945	52.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.76%
43) trans-1,3-Dichloropropene-	7.84	79	44429	58.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.46%
47) 2-Hexanone-d5	8.31	63	83891	108.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.48%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118387	51.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	104946	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	95434	50.653	ug/L 100
3) Chloromethane	1.32	50	87653	48.147	ug/L 99
5) Vinyl chloride	1.40	62	88381	48.599	ug/L 98
6) Bromomethane	1.62	94	48378	44.640	ug/L 98
8) Chloroethane	1.69	64	50110	46.356	ug/L 100
9) Trichlorofluoromethane	1.88	101	122919	50.055	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	66796	52.301	ug/L 100
12) 1,1-Dichloroethene	2.28	96	63092	50.878	ug/L 95
13) Acetone	2.32	43	126974	108.453	ug/L 98
14) Carbon disulfide	2.47	76	192632	51.125	ug/L 99
15) Methyl Acetate	2.61	43	87339	52.249	ug/L 100
16) Methylene chloride	2.69	84	72285	51.086	ug/L 99
17) trans-1,2-Dichloroethene	2.97	96	68428	50.922	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	227067	51.434	ug/L 100
19) 1,1-Dichloroethane	3.44	63	126348	51.576	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	76499	50.302	ug/L 98
22) 2-Butanone	4.25	43	147727	106.760	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39877	50.429	ug/L	96
25) Chloroform	4.67	83	129377	51.178	ug/L	98
27) 1,2-Dichloroethane	5.40	62	103539	51.809	ug/L	98
29) Cyclohexane	4.99	56	119664	51.367	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	116188	52.404	ug/L	98
31) Carbon tetrachloride	5.13	117	108542	53.414	ug/L	99
33) Benzene	5.38	78	281628	51.178	ug/L	100
34) Trichloroethene	6.18	95	78580	52.487	ug/L	97
35) Methylcyclohexane	6.41	83	125762	51.888	ug/L	99
37) 1,2-Dichloropropane	6.42	63	75150	51.517	ug/L	100
38) Bromodichloromethane	6.75	83	101036	53.791	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	124978	54.301	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	242897	103.502	ug/L	99
42) Toluene	7.63	91	304880	50.589	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	111231	54.449	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	71319	51.701	ug/L	99
46) Tetrachloroethene	8.22	164	64547	52.201	ug/L	99
48) 2-Hexanone	8.36	43	205833	106.786	ug/L	100
49) Dibromochloromethane	8.47	129	87114	54.331	ug/L	99
50) 1,2-Dibromoethane	8.58	107	79163	50.984	ug/L	98
51) Chlorobenzene	9.11	112	198275	51.065	ug/L	100
52) Ethylbenzene	9.24	91	342795	51.029	ug/L	100
53) m,p-Xylene	9.37	106	128618	50.352	ug/L	98
54) o-xylene	9.77	106	129218	50.949	ug/L	99
55) Styrene	9.79	104	215027	50.785	ug/L	98
56) Isopropylbenzene	10.16	105	342745	51.250	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	119048	50.494	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	95964	50.605	ug/L	99
61) Bromoform	9.95	173	69851	55.827	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	163732	51.569	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	163544	50.384	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	164021	51.097	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	30965	57.335	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	135836	54.990	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	119675	57.187	ug/L	99
69) Naphthalene	13.74	128	360468	54.609	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	123882	56.881	ug/L	99

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

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