

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061019\
 Data File : VU032568.D
 Acq On : 10 Jun 2019 16:00
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Jun 11 04:46:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 04:40:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	195974	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188360	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	102050	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	65631	51.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.24%
7) Chloroethane-d5	1.67	69	52570	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.90%
11) 1,1-Dichloroethene-d2	2.27	63	126910	50.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.96%
21) 2-Butanone-d5	4.17	46	114731	107.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.83%
24) Chloroform-d	4.64	84	125388	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.76%
26) 1,2-Dichloroethane-d4	5.30	65	77869	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
32) Benzene-d6	5.33	84	249395	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.32	67	78322	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.16%
41) Toluene-d8	7.56	98	234046	50.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.96%
43) trans-1,3-Dichloropropene-	7.85	79	39071	53.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.50%
47) 2-Hexanone-d5	8.31	63	77253	103.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.87%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	113763	51.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	100298	51.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	87224	49.370	ug/L 99
3) Chloromethane	1.33	50	78448	45.952	ug/L 100
5) Vinyl chloride	1.40	62	80670	47.304	ug/L 98
6) Bromomethane	1.62	94	44284	43.575	ug/L 99
8) Chloroethane	1.69	64	46585	45.957	ug/L 98
9) Trichlorofluoromethane	1.88	101	114795	49.851	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	61743	51.555	ug/L 98
12) 1,1-Dichloroethene	2.28	96	58249	50.091	ug/L 92
13) Acetone	2.32	43	96896	88.257	ug/L 99
14) Carbon disulfide	2.47	76	169227	47.896	ug/L 99
15) Methyl Acetate	2.61	43	81236	51.825	ug/L 100
16) Methylene chloride	2.69	84	66893	50.414	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	62848	49.875	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	206813	49.957	ug/L 99
19) 1,1-Dichloroethane	3.44	63	118066	51.396	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	71527	50.155	ug/L 98
22) 2-Butanone	4.25	43	128247	98.836	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	37433	50.482	ug/L	98
25) Chloroform	4.67	83	121574	51.285	ug/L	99
27) 1,2-Dichloroethane	5.40	62	96424	51.453	ug/L	99
29) Cyclohexane	4.99	56	107981	48.196	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	106417	49.907	ug/L	99
31) Carbon tetrachloride	5.13	117	97964	50.127	ug/L	99
33) Benzene	5.38	78	258121	48.773	ug/L	100
34) Trichloroethene	6.18	95	73124	50.786	ug/L	99
35) Methylcyclohexane	6.41	83	112464	48.248	ug/L	99
37) 1,2-Dichloropropane	6.43	63	70200	50.039	ug/L	99
38) Bromodichloromethane	6.75	83	92067	50.966	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	108957	49.224	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	228307	101.156	ug/L	99
42) Toluene	7.63	91	288100	49.707	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	101512	51.669	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	66524	50.144	ug/L	97
46) Tetrachloroethene	8.22	164	58219	48.957	ug/L	98
48) 2-Hexanone	8.36	43	187437	101.112	ug/L	98
49) Dibromochloromethane	8.47	129	81058	52.566	ug/L	98
50) 1,2-Dibromoethane	8.58	107	74419	49.836	ug/L	99
51) Chlorobenzene	9.11	112	186192	49.862	ug/L	99
52) Ethylbenzene	9.24	91	314097	48.618	ug/L	100
53) m,p-Xylene	9.37	106	119407	48.606	ug/L	99
54) o-xylene	9.77	106	117583	48.207	ug/L	100
55) Styrene	9.79	104	203241	49.912	ug/L	99
56) Isopropylbenzene	10.16	105	313783	48.787	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	113441	50.031	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	90871	49.826	ug/L	98
61) Bromoform	9.95	173	63714	52.366	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	153203	49.621	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	152327	48.259	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	152195	48.758	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	28778	54.797	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	121704	50.666	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	111025	54.558	ug/L	99
69) Naphthalene	13.74	128	340960	53.118	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	112536	53.136	ug/L	99

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

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