

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061319\
 Data File : VU032679.D
 Acq On : 13 Jun 2019 08:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Jun 14 01:25:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 13 05:57:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	160726	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	153100	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82124	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	53361	51.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.34%
7) Chloroethane-d5	1.67	69	42923	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.44%
11) 1,1-Dichloroethene-d2	2.27	63	106486	52.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.32%
21) 2-Butanone-d5	4.17	46	92569	106.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.08%
24) Chloroform-d	4.64	84	105997	54.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.30	65	69964	57.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.22%
32) Benzene-d6	5.33	84	203498	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.32	67	64962	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.24%
41) Toluene-d8	7.56	98	189516	50.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.58%
43) trans-1,3-Dichloropropene-	7.85	79	31386	52.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.24%
47) 2-Hexanone-d5	8.31	63	53353	88.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.26%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	92267	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	79893	50.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	76343	52.687	ug/L 99
3) Chloromethane	1.32	50	66515	47.506	ug/L 98
5) Vinyl chloride	1.40	62	68036	48.645	ug/L 98
6) Bromomethane	1.62	94	37992	45.582	ug/L 100
8) Chloroethane	1.69	64	40397	48.592	ug/L 97
9) Trichlorofluoromethane	1.88	101	97441	51.594	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	54434	55.420	ug/L 99
12) 1,1-Dichloroethene	2.28	96	49146	51.532	ug/L 96
13) Acetone	2.32	43	99207	110.179	ug/L 97
14) Carbon disulfide	2.47	76	143652	49.574	ug/L 98
15) Methyl Acetate	2.61	43	68691	53.432	ug/L 100
16) Methylene chloride	2.69	84	57720	53.041	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	53497	51.764	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	172674	50.857	ug/L 99
19) 1,1-Dichloroethane	3.44	63	101504	53.876	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	60312	51.566	ug/L 96
22) 2-Butanone	4.25	43	113062	106.242	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	31028	51.021	ug/L	92
25) Chloroform	4.67	83	106213	54.631	ug/L	98
27) 1,2-Dichloroethane	5.40	62	85522	55.643	ug/L	98
29) Cyclohexane	4.99	56	89372	49.078	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	91627	52.867	ug/L	97
31) Carbon tetrachloride	5.13	117	84010	52.887	ug/L	99
33) Benzene	5.38	78	222136	51.640	ug/L	100
34) Trichloroethene	6.18	95	62655	53.537	ug/L	98
35) Methylcyclohexane	6.41	83	94540	49.900	ug/L	99
37) 1,2-Dichloropropane	6.42	63	60348	52.923	ug/L	99
38) Bromodichloromethane	6.75	83	80090	54.547	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	89434	49.709	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	191892	104.603	ug/L	98
42) Toluene	7.63	91	241687	51.303	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	83145	52.067	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	56084	52.011	ug/L	98
46) Tetrachloroethene	8.22	164	49556	51.269	ug/L	98
48) 2-Hexanone	8.36	43	160625	106.604	ug/L	97
49) Dibromochloromethane	8.47	129	67567	53.909	ug/L	99
50) 1,2-Dibromoethane	8.58	107	63356	52.199	ug/L	98
51) Chlorobenzene	9.11	112	156144	51.445	ug/L	99
52) Ethylbenzene	9.24	91	268362	51.106	ug/L	98
53) m,p-Xylene	9.37	106	100778	50.471	ug/L	99
54) o-xylene	9.77	106	97512	49.185	ug/L	98
55) Styrene	9.79	104	169340	51.164	ug/L	98
56) Isopropylbenzene	10.16	105	266271	50.934	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	91912	49.871	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	77587	52.340	ug/L	99
61) Bromoform	9.95	173	51405	52.501	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	126699	50.994	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	130144	51.235	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	131219	52.238	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	22108	52.310	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	105451	54.551	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	92681	56.594	ug/L	99
69) Naphthalene	13.74	128	274812	53.201	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	97899	57.441	ug/L	100

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

