

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032819\
 Data File : VU030512.D
 Acq On : 28 Mar 2019 14:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Mar 29 01:19:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 02:45:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	380709	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	367023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	172282	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165118	53.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.78%
7) Chloroethane-d5	1.67	69	128485	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.82%
11) 1,1-Dichloroethene-d2	2.27	63	318923	54.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.74%
21) 2-Butanone-d5	4.17	46	265607	92.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.22%
24) Chloroform-d	4.64	84	287264	54.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.84%
26) 1,2-Dichloroethane-d4	5.31	65	184167	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
32) Benzene-d6	5.34	84	573380	54.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.96%
36) 1,2-Dichloropropane-d6	6.32	67	199374	55.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.72%
41) Toluene-d8	7.56	98	520900	55.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.22%
43) trans-1,3-Dichloropropene-	7.85	79	92966	54.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.80%
47) 2-Hexanone-d5	8.31	63	142360	72.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	272405	52.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	182582	52.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	220974	52.607 ug/L	100
3) Chloromethane	1.33	50	249859	53.185 ug/L	99
5) Vinyl chloride	1.40	62	233005	52.303 ug/L	100
6) Bromomethane	1.61	94	101808	49.817 ug/L	98
8) Chloroethane	1.68	64	133773	53.190 ug/L	99
9) Trichlorofluoromethane	1.88	101	271516	55.890 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	151877	54.660 ug/L	98
12) 1,1-Dichloroethene	2.28	96	143617	52.725 ug/L	97
13) Acetone	2.32	43	271801	93.314 ug/L	99
14) Carbon disulfide	2.47	76	450530	50.024 ug/L	99
15) Methyl Acetate	2.61	43	226986	50.893 ug/L #	100
16) Methylene chloride	2.70	84	173947	54.171 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	146343	51.210 ug/L	94
18) Methyl tert-butyl Ether	3.00	73	508671	53.826 ug/L	100
19) 1,1-Dichloroethane	3.44	63	322892	55.074 ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	167523	52.271 ug/L	97
22) 2-Butanone	4.26	43	349001	99.129 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	78688	52.824	ug/L	96
25) Chloroform	4.67	83	306046	54.903	ug/L	99
27) 1,2-Dichloroethane	5.40	62	246301	56.309	ug/L	99
29) Cyclohexane	4.99	56	298926	53.820	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	244839	54.481	ug/L	100
31) Carbon tetrachloride	5.13	117	207694	54.525	ug/L	98
33) Benzene	5.39	78	676164	54.120	ug/L	100
34) Trichloroethene	6.18	95	159734	52.007	ug/L	97
35) Methylcyclohexane	6.41	83	271544	53.727	ug/L	99
37) 1,2-Dichloropropane	6.43	63	190236	53.654	ug/L	100
38) Bromodichloromethane	6.75	83	228223	54.172	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	276345	54.225	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	597245	100.283	ug/L	98
42) Toluene	7.63	91	707246	54.544	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	243918	54.395	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	159621	53.281	ug/L	99
46) Tetrachloroethene	8.22	164	115947	54.049	ug/L	98
48) 2-Hexanone	8.36	43	479635	98.263	ug/L	98
49) Dibromochloromethane	8.47	129	170384	54.735	ug/L	98
50) 1,2-Dibromoethane	8.58	107	169530	52.728	ug/L	100
51) Chlorobenzene	9.12	112	416041	52.942	ug/L	98
52) Ethylbenzene	9.25	91	765392	54.491	ug/L	100
53) m,p-Xylene	9.37	106	275993	54.418	ug/L	97
54) o-xylene	9.77	106	269747	54.509	ug/L	99
55) Styrene	9.79	104	470635	55.209	ug/L	100
56) Isopropylbenzene	10.16	105	716163	54.655	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	297328	53.850	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	230426	53.393	ug/L	99
61) Bromoform	9.95	173	120184	52.469	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	300882	53.404	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	299717	51.674	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	313493	55.028	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	60239	47.488	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	221920	52.615	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	179086	48.867	ug/L	100
69) Naphthalene	13.74	128	542990	41.668	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	182886	47.260	ug/L	97

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

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