

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070319\
 Data File : VU033164.D
 Acq On : 03 Jul 2019 11:25
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jul 03 22:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 22:32:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187257	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186646	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99425	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	71159	55.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.20%
7) Chloroethane-d5	1.67	69	56454	55.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.62%
11) 1,1-Dichloroethene-d2	2.27	63	140593	54.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.06%
21) 2-Butanone-d5	4.17	46	120615	113.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.24%
24) Chloroform-d	4.64	84	135708	54.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.10%
26) 1,2-Dichloroethane-d4	5.30	65	91778	55.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.76%
32) Benzene-d6	5.33	84	258064	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.08%
36) 1,2-Dichloropropane-d6	6.32	67	80758	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.20%
41) Toluene-d8	7.56	98	243540	53.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.90%
43) trans-1,3-Dichloropropene-	7.84	79	41663	51.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.34%
47) 2-Hexanone-d5	8.31	63	75786	104.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.72%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	120094	50.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	96011	49.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	96036	50.772	ug/L 100
3) Chloromethane	1.33	50	87758	51.190	ug/L 99
5) Vinyl chloride	1.40	62	86637	50.950	ug/L 100
6) Bromomethane	1.62	94	48472	48.443	ug/L 99
8) Chloroethane	1.69	64	50961	52.063	ug/L 97
9) Trichlorofluoromethane	1.88	101	126108	52.861	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	68331	54.607	ug/L 97
12) 1,1-Dichloroethene	2.28	96	60150	51.009	ug/L 94
13) Acetone	2.32	43	139318	94.695	ug/L 96
14) Carbon disulfide	2.47	76	172700	46.284	ug/L 100
15) Methyl Acetate	2.61	43	96079	57.612	ug/L 98
16) Methylene chloride	2.69	84	73367	53.022	ug/L 96
17) trans-1,2-Dichloroethene	2.97	96	64292	50.277	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	217990	53.096	ug/L 98
19) 1,1-Dichloroethane	3.44	63	133870	54.912	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	73993	53.115	ug/L 94
22) 2-Butanone	4.25	43	158877	104.190	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39242	53.998	ug/L	98
25) Chloroform	4.67	83	139928	55.658	ug/L	98
27) 1,2-Dichloroethane	5.40	62	119317	57.771	ug/L	99
29) Cyclohexane	4.99	56	109160	50.088	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	121980	53.642	ug/L	99
31) Carbon tetrachloride	5.13	117	108295	52.340	ug/L	98
33) Benzene	5.38	78	287483	53.467	ug/L	100
34) Trichloroethene	6.18	95	75044	52.237	ug/L	99
35) Methylcyclohexane	6.41	83	113579	51.148	ug/L	97
37) 1,2-Dichloropropane	6.42	63	78600	53.292	ug/L	100
38) Bromodichloromethane	6.75	83	104487	52.686	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	124153	54.030	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	265626	112.806	ug/L	98
42) Toluene	7.63	91	311916	53.617	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	115173	53.364	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	73639	53.642	ug/L	100
46) Tetrachloroethene	8.22	164	61878	52.565	ug/L	99
48) 2-Hexanone	8.36	43	215220	103.592	ug/L	99
49) Dibromochloromethane	8.47	129	84855	51.274	ug/L	97
50) 1,2-Dibromoethane	8.58	107	81348	53.359	ug/L	99
51) Chlorobenzene	9.11	112	198417	51.831	ug/L	97
52) Ethylbenzene	9.24	91	341601	53.049	ug/L	99
53) m,p-Xylene	9.37	106	129372	53.250	ug/L	99
54) o-xylene	9.77	106	125037	52.701	ug/L	99
55) Styrene	9.78	104	218003	52.965	ug/L	96
56) Isopropylbenzene	10.16	105	336426	52.615	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	131707	53.021	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	109318	55.539	ug/L	99
61) Bromoform	9.95	173	65681	50.592	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	156069	50.500	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	160474	50.273	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	162885	51.619	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	29064	48.278	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	122589	49.368	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	95891	44.879	ug/L	97
69) Naphthalene	13.74	128	259440	39.491	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	103054	45.560	ug/L	99

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

