

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061019\
 Data File : VU032593.D
 Acq On : 11 Jun 2019 02:09
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Jun 11 05:45:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	178988	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	172892	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91992	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	59821	51.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.02%
7) Chloroethane-d5	1.67	69	47370	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.52%
11) 1,1-Dichloroethene-d2	2.27	63	116842	51.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.78%
21) 2-Butanone-d5	4.17	46	105963	109.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.04%
24) Chloroform-d	4.64	84	114069	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
26) 1,2-Dichloroethane-d4	5.30	65	71979	52.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.52%
32) Benzene-d6	5.33	84	224803	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
36) 1,2-Dichloropropane-d6	6.32	67	71750	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.96%
41) Toluene-d8	7.56	98	211560	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%
43) trans-1,3-Dichloropropene-	7.85	79	33615	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.82%
47) 2-Hexanone-d5	8.31	63	69595	101.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105707	51.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	89995	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	78383	48.576	ug/L 100
3) Chloromethane	1.32	50	70173	45.005	ug/L 100
5) Vinyl chloride	1.40	62	75550	48.506	ug/L 98
6) Bromomethane	1.62	94	28568	30.778	ug/L 100
8) Chloroethane	1.69	64	44038	47.567	ug/L 98
9) Trichlorofluoromethane	1.88	101	106158	50.475	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	55419	50.666	ug/L 98
12) 1,1-Dichloroethene	2.28	96	54826	51.622	ug/L 93
13) Acetone	2.32	43	72908	72.710	ug/L 100
14) Carbon disulfide	2.47	76	159993	49.579	ug/L 98
15) Methyl Acetate	2.61	43	77739	54.300	ug/L 99
16) Methylene chloride	2.69	84	63460	52.365	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	58338	50.689	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	193859	51.271	ug/L 99
19) 1,1-Dichloroethane	3.44	63	111731	53.254	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	66277	50.884	ug/L 95
22) 2-Butanone	4.25	43	112033	94.534	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	34066	50.301	ug/L	96
25) Chloroform	4.67	83	114699	52.976	ug/L	100
27) 1,2-Dichloroethane	5.40	62	91514	53.467	ug/L	99
29) Cyclohexane	4.99	56	97575	47.448	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	99658	50.919	ug/L	98
31) Carbon tetrachloride	5.13	117	91170	50.824	ug/L	98
33) Benzene	5.38	78	241702	49.757	ug/L	100
34) Trichloroethene	6.18	95	67243	50.880	ug/L	98
35) Methylcyclohexane	6.41	83	101179	47.290	ug/L	99
37) 1,2-Dichloropropane	6.43	63	65975	51.234	ug/L	100
38) Bromodichloromethane	6.75	83	86613	52.237	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	100194	49.315	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	212981	102.808	ug/L	99
42) Toluene	7.63	91	262793	49.397	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	90034	49.926	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	62277	51.142	ug/L	99
46) Tetrachloroethene	8.22	164	53471	48.987	ug/L	98
48) 2-Hexanone	8.36	43	170734	100.341	ug/L	99
49) Dibromochloromethane	8.47	129	73853	52.179	ug/L	99
50) 1,2-Dibromoethane	8.58	107	68673	50.103	ug/L	100
51) Chlorobenzene	9.11	112	171902	50.154	ug/L	99
52) Ethylbenzene	9.24	91	292200	49.275	ug/L	99
53) m,p-Xylene	9.37	106	110353	48.939	ug/L	100
54) o-xylene	9.77	106	109742	49.017	ug/L	98
55) Styrene	9.79	104	187485	50.162	ug/L	99
56) Isopropylbenzene	10.16	105	291470	49.372	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	106346	51.098	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	86616	51.742	ug/L	99
61) Bromoform	9.95	173	58058	52.935	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	139947	50.284	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	140475	49.370	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	140077	49.782	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	26387	55.738	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	107523	49.656	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	99219	54.087	ug/L	99
69) Naphthalene	13.74	128	312388	53.988	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	102052	53.455	ug/L	99

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

