

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122018\
 Data File : VU028858.D
 Acq On : 21 Dec 2018 04:45
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Dec 21 06:04:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 05:57:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	225783	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	214883	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	100312	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	94753	52.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.70%
7) Chloroethane-d5	1.67	69	72375	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.54%
11) 1,1-Dichloroethene-d2	2.27	63	152479	50.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.18%
21) 2-Butanone-d5	4.18	46	137381	108.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.33%
24) Chloroform-d	4.65	84	148196	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
26) 1,2-Dichloroethane-d4	5.31	65	90586	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.26%
32) Benzene-d6	5.34	84	324393	53.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.88%
36) 1,2-Dichloropropane-d6	6.33	67	109265	52.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.96%
41) Toluene-d8	7.57	98	293668	53.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.76%
43) trans-1,3-Dichloropropene-	7.85	79	46522	50.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.68%
47) 2-Hexanone-d5	8.31	63	110155	112.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	148826	52.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	108761	53.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.22%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	91358	49.622	ug/L 100
3) Chloromethane	1.33	50	115928	46.307	ug/L 99
5) Vinyl chloride	1.40	62	112423	50.833	ug/L 98
6) Bromomethane	1.61	94	46902	49.786	ug/L 97
8) Chloroethane	1.69	64	63196	50.061	ug/L 98
9) Trichlorofluoromethane	1.88	101	114535	50.644	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	73655	50.336	ug/L 100
12) 1,1-Dichloroethene	2.28	96	73924	51.065	ug/L 92
13) Acetone	2.32	43	80246	62.091	ug/L 98
14) Carbon disulfide	2.48	76	242063	47.882	ug/L 100
15) Methyl Acetate	2.62	43	98089	48.682	ug/L 99
16) Methylene chloride	2.70	84	88195	49.401	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	79636	50.775	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	249437	51.720	ug/L 98
19) 1,1-Dichloroethane	3.44	63	150156	49.250	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	89754	50.518	ug/L 98
22) 2-Butanone	4.26	43	136146	86.508	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	42351	50.003	ug/L	98
25) Chloroform	4.67	83	143771	49.544	ug/L	100
27) 1,2-Dichloroethane	5.40	62	110001	51.006	ug/L	99
29) Cyclohexane	5.00	56	146309	51.157	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	115955	50.983	ug/L	99
31) Carbon tetrachloride	5.13	117	90954	49.591	ug/L	100
33) Benzene	5.39	78	348422	50.931	ug/L	100
34) Trichloroethene	6.18	95	83774	50.723	ug/L	99
35) Methylcyclohexane	6.41	83	139632	50.761	ug/L	98
37) 1,2-Dichloropropane	6.43	63	96950	50.697	ug/L	100
38) Bromodichloromethane	6.76	83	106694	50.382	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	133405	48.932	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	259896	101.112	ug/L	98
42) Toluene	7.64	91	356415	51.396	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	117653	48.412	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	84577	51.727	ug/L	97
46) Tetrachloroethene	8.22	164	63679	50.062	ug/L	97
48) 2-Hexanone	8.36	43	205897	97.598	ug/L	99
49) Dibromochloromethane	8.48	129	80183	49.233	ug/L	99
50) 1,2-Dibromoethane	8.58	107	87709	51.558	ug/L	100
51) Chlorobenzene	9.12	112	222858	50.991	ug/L	99
52) Ethylbenzene	9.25	91	383664	51.488	ug/L	98
53) m,p-Xylene	9.37	106	145796	52.912	ug/L	97
54) o-xylene	9.78	106	145286	52.608	ug/L	99
55) Styrene	9.79	104	241645	51.664	ug/L	99
56) Isopropylbenzene	10.16	105	364396	52.014	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	147204	49.558	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	112510	49.301	ug/L	100
61) Bromoform	9.96	173	60481	48.637	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	162231	50.911	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	163373	49.763	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	169682	51.046	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	28286	49.332	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	118182	50.302	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	104132	52.927	ug/L	98
69) Naphthalene	13.74	128	369298	54.064	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	109223	51.484	ug/L	99

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

