

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\
 Data File : VU032935.D
 Acq On : 21 Jun 2019 11:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Jun 22 00:31:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 07:16:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187229	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186124	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	98440	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58568	45.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.54%
7) Chloroethane-d5	1.67	69	50290	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.56%
11) 1,1-Dichloroethene-d2	2.27	63	126561	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	4.17	46	113298	106.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.38%
24) Chloroform-d	4.64	84	131047	52.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.36%
26) 1,2-Dichloroethane-d4	5.30	65	87936	53.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.14%
32) Benzene-d6	5.33	84	247032	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
36) 1,2-Dichloropropane-d6	6.32	67	80486	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.14%
41) Toluene-d8	7.56	98	235154	51.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.50%
43) trans-1,3-Dichloropropene-	7.84	79	40723	50.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.30%
47) 2-Hexanone-d5	8.31	63	71659	99.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.29%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	121534	50.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	97220	51.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	100030	52.891	ug/L 100
3) Chloromethane	1.32	50	83593	48.767	ug/L 100
5) Vinyl chloride	1.40	62	85137	50.075	ug/L 100
6) Bromomethane	1.62	94	45398	45.377	ug/L 100
8) Chloroethane	1.69	64	49292	50.365	ug/L 99
9) Trichlorofluoromethane	1.88	101	122424	51.325	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	64234	51.341	ug/L 99
12) 1,1-Dichloroethene	2.28	96	58780	49.854	ug/L 96
13) Acetone	2.32	43	130109	88.449	ug/L 97
14) Carbon disulfide	2.47	76	179274	48.053	ug/L 100
15) Methyl Acetate	2.61	43	86527	51.892	ug/L 98
16) Methylene chloride	2.69	84	68644	49.616	ug/L 95
17) trans-1,2-Dichloroethene	2.97	96	61633	48.205	ug/L 95
18) Methyl tert-butyl Ether	2.99	73	206663	50.344	ug/L 98
19) 1,1-Dichloroethane	3.44	63	127500	52.307	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	70903	50.904	ug/L 92
22) 2-Butanone	4.25	43	144818	94.984	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	37396	51.465	ug/L	93
25) Chloroform	4.66	83	131564	52.339	ug/L	97
27) 1,2-Dichloroethane	5.40	62	110994	53.749	ug/L	100
29) Cyclohexane	4.99	56	109153	50.225	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	114471	50.481	ug/L	98
31) Carbon tetrachloride	5.13	117	102088	49.479	ug/L	99
33) Benzene	5.38	78	270584	50.465	ug/L	100
34) Trichloroethene	6.18	95	71746	50.081	ug/L	99
35) Methylcyclohexane	6.41	83	114733	51.812	ug/L	99
37) 1,2-Dichloropropane	6.42	63	75453	51.302	ug/L	99
38) Bromodichloromethane	6.75	83	99665	50.395	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	117336	51.207	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	243299	103.614	ug/L	98
42) Toluene	7.63	91	295391	50.919	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	108863	50.582	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	69705	50.919	ug/L	99
46) Tetrachloroethene	8.22	164	58634	49.948	ug/L	99
48) 2-Hexanone	8.36	43	202377	97.683	ug/L	99
49) Dibromochloromethane	8.47	129	79451	48.143	ug/L	96
50) 1,2-Dibromoethane	8.58	107	75783	49.848	ug/L	99
51) Chlorobenzene	9.11	112	191760	50.232	ug/L	98
52) Ethylbenzene	9.24	91	327438	50.992	ug/L	99
53) m,p-Xylene	9.37	106	123652	51.038	ug/L	100
54) o-xylene	9.77	106	119726	50.604	ug/L	100
55) Styrene	9.79	104	211770	51.595	ug/L	97
56) Isopropylbenzene	10.16	105	324836	50.945	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	123357	49.799	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	99955	50.925	ug/L	99
61) Bromoform	9.95	173	61311	47.698	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	153564	50.187	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	156378	49.480	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	158414	50.705	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	30262	50.771	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	123127	50.081	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	103878	49.103	ug/L	98
69) Naphthalene	13.74	128	310404	47.722	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	108682	48.529	ug/L	99

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

