

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033789.D
 Acq On : 13 Aug 2019 19:06
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Aug 14 04:28:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:23:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	414715	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	408642	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	224127	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	171067	43.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.86%
7) Chloroethane-d5	1.67	69	141294	38.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.04%
11) 1,1-Dichloroethene-d2	2.26	63	287940	44.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.52%
21) 2-Butanone-d5	4.15	46	213612	97.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.48%
24) Chloroform-d	4.62	84	281686	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.58%
26) 1,2-Dichloroethane-d4	5.28	65	178087	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
32) Benzene-d6	5.32	84	555017	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.82%
36) 1,2-Dichloropropane-d6	6.31	67	177519	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.84%
41) Toluene-d8	7.54	98	518167	47.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.92%
43) trans-1,3-Dichloropropene-	7.83	79	84896	47.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.04%
47) 2-Hexanone-d5	8.29	63	156276	103.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.23%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	258739	47.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.84%
66) 1,2-Dichlorobenzene-d4	11.84	152	210805	46.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	188065	45.492	ug/L	99
3) Chloromethane	1.32	50	201568	46.962	ug/L	99
5) Vinyl chloride	1.39	62	218755	47.066	ug/L	98
6) Bromomethane	1.61	94	130443	38.236	ug/L	97
8) Chloroethane	1.68	64	130013	39.140	ug/L	98
9) Trichlorofluoromethane	1.87	101	279445	46.792	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	136061	46.549	ug/L	98
12) 1,1-Dichloroethene	2.27	96	133077	46.273	ug/L	97
13) Acetone	2.30	43	158351	79.342	ug/L	100
14) Carbon disulfide	2.46	76	417804	45.889	ug/L	99
15) Methyl Acetate	2.60	43	157124	47.097	ug/L	99
16) Methylene chloride	2.68	84	155474	47.352	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	138654	46.327	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	434029	48.785	ug/L	100
19) 1,1-Dichloroethane	3.42	63	272158	47.326	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	156409	47.591	ug/L	99
22) 2-Butanone	4.23	43	223009	91.979	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	83702	49.150	ug/L	97
25) Chloroform	4.65	83	277302	46.397	ug/L	99
27) 1,2-Dichloroethane	5.38	62	221147	47.633	ug/L	99
29) Cyclohexane	4.97	56	224721	50.034	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	237291	47.343	ug/L	99
31) Carbon tetrachloride	5.11	117	210283	47.238	ug/L	99
33) Benzene	5.37	78	608875	48.701	ug/L	100
34) Trichloroethene	6.16	95	156450	47.235	ug/L	99
35) Methylcyclohexane	6.40	83	236041	48.895	ug/L	99
37) 1,2-Dichloropropane	6.41	63	166341	48.828	ug/L	99
38) Bromodichloromethane	6.74	83	207789	47.270	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	249814	49.677	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	419967	99.080	ug/L	100
42) Toluene	7.62	91	656088	49.687	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	225556	49.243	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	154469	48.044	ug/L	98
46) Tetrachloroethene	8.21	164	124052	47.755	ug/L	99
48) 2-Hexanone	8.34	43	330863	101.978	ug/L	100
49) Dibromochloromethane	8.46	129	169369	47.185	ug/L	98
50) 1,2-Dibromoethane	8.57	107	165397	49.038	ug/L	100
51) Chlorobenzene	9.10	112	413058	48.067	ug/L	99
52) Ethylbenzene	9.23	91	696276	50.112	ug/L	100
53) m,p-Xylene	9.36	106	270799	52.138	ug/L	94
54) o-xylene	9.76	106	259103	50.708	ug/L	98
55) Styrene	9.77	104	454618	52.412	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.44	83	260397	48.424	ug/L	100
59) Bromoform	9.94	173	127027	44.362	ug/L	99
60) 1,2,3-Trichloropropane	10.48	75	203838	45.200	ug/L	100
61) Isopropylbenzene	10.15	105	680024	49.009	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	566317	50.557	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	564835	50.819	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	331419	47.612	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	338828	47.492	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	336138	47.520	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.64	75	59177	47.053	ug/L	99
69) 1,3,5-Trichlorobenzene	12.87	180	251904	47.910	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	219371	50.305	ug/L	99
71) Naphthalene	13.73	128	684352	52.720	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	233464	51.072	ug/L	99

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

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