

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070119\
 Data File : VU033125.D
 Acq On : 01 Jul 2019 19:42
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Jul 02 04:23:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 04:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	205739	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	202993	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107330	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44880	31.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.84%
7) Chloroethane-d5	1.67	69	44667	39.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.66%
11) 1,1-Dichloroethene-d2	2.27	63	113841	40.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.38%
21) 2-Butanone-d5	4.17	46	136987	117.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.05%
24) Chloroform-d	4.64	84	133956	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
26) 1,2-Dichloroethane-d4	5.30	65	90659	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
32) Benzene-d6	5.33	84	233312	44.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.18%
36) 1,2-Dichloropropane-d6	6.32	67	79222	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.00%
41) Toluene-d8	7.56	98	216440	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.84	79	39387	44.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.84%
47) 2-Hexanone-d5	8.31	63	79780	101.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.36%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	131043	50.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.58%
64) 1,2-Dichlorobenzene-d4	11.85	152	96771	46.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	102445	49.295	ug/L 100
3) Chloromethane	1.32	50	96331	51.142	ug/L 99
5) Vinyl chloride	1.40	62	91550	49.002	ug/L 98
6) Bromomethane	1.62	94	60785	55.291	ug/L 100
8) Chloroethane	1.69	64	55699	51.791	ug/L 99
9) Trichlorofluoromethane	1.88	101	133294	50.854	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	69238	50.361	ug/L 99
12) 1,1-Dichloroethene	2.28	96	62103	47.934	ug/L 89
13) Acetone	2.31	43	105419	65.217	ug/L 97
14) Carbon disulfide	2.47	76	181324	44.230	ug/L 99
15) Methyl Acetate	2.61	43	105269	57.452	ug/L 97
16) Methylene chloride	2.69	84	79281	52.149	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	69158	49.224	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	243134	53.900	ug/L 98
19) 1,1-Dichloroethane	3.44	63	146221	54.590	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	80825	52.807	ug/L 95
22) 2-Butanone	4.25	43	152619	91.095	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	44140	55.281	ug/L	97
25) Chloroform	4.66	83	151184	54.733	ug/L	98
27) 1,2-Dichloroethane	5.40	62	130672	57.586	ug/L	97
29) Cyclohexane	4.99	56	118944	50.182	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	132001	53.374	ug/L	99
31) Carbon tetrachloride	5.13	117	114650	50.950	ug/L	99
33) Benzene	5.38	78	307736	52.625	ug/L	100
34) Trichloroethene	6.18	95	81840	52.380	ug/L	98
35) Methylcyclohexane	6.41	83	119255	49.379	ug/L	98
37) 1,2-Dichloropropane	6.42	63	86323	53.815	ug/L	100
38) Bromodichloromethane	6.75	83	109889	50.947	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	127735	51.113	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	285666	111.547	ug/L	99
42) Toluene	7.63	91	338302	53.470	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	121962	51.959	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	79240	53.074	ug/L	99
46) Tetrachloroethene	8.22	164	65469	51.136	ug/L	98
48) 2-Hexanone	8.36	43	227037	100.479	ug/L	99
49) Dibromochloromethane	8.47	129	88617	49.235	ug/L	100
50) 1,2-Dibromoethane	8.58	107	86504	52.172	ug/L	100
51) Chlorobenzene	9.11	112	217490	52.238	ug/L	99
52) Ethylbenzene	9.24	91	372953	53.254	ug/L	99
53) m,p-Xylene	9.37	106	139014	52.611	ug/L	98
54) o-xylene	9.77	106	137690	53.360	ug/L	98
55) Styrene	9.79	104	234111	52.298	ug/L	97
56) Isopropylbenzene	10.16	105	362764	52.166	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	139262	51.548	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	115657	54.028	ug/L	99
61) Bromoform	9.95	173	66252	47.273	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	170718	51.172	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	174073	50.517	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	172771	50.720	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	31884	49.061	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	129125	48.170	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	102038	44.238	ug/L	99
69) Naphthalene	13.74	128	289471	40.817	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	109947	45.028	ug/L	99

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

