

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050319\
 Data File : VU031762.D
 Acq On : 03 May 2019 19:56
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Quant Time: May 04 02:41:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 04 02:35:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	763428	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	727521	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	331208	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	275432	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.22%
7) Chloroethane-d5	1.68	69	227154	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.02%
11) 1,1-Dichloroethene-d2	2.27	63	570504	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.68%
21) 2-Butanone-d5	4.19	46	669736	115.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.69%
24) Chloroform-d	4.64	84	540505	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
26) 1,2-Dichloroethane-d4	5.31	65	355058	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
32) Benzene-d6	5.34	84	1023195	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.32	67	368653	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.80%
41) Toluene-d8	7.56	98	850000	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.85	79	156467	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.31	63	399105	117.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	526462	49.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	301577	43.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	367695	43.799	ug/L 100
3) Chloromethane	1.32	50	460460	45.334	ug/L 99
5) Vinyl chloride	1.40	62	428621	45.136	ug/L 100
6) Bromomethane	1.63	94	215736	43.079	ug/L 100
8) Chloroethane	1.70	64	241524	46.529	ug/L 98
9) Trichlorofluoromethane	1.88	101	484438	44.750	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	277500	45.347	ug/L 99
12) 1,1-Dichloroethene	2.28	96	276914	46.490	ug/L 98
13) Acetone	2.34	43	525703	80.618	ug/L 98
14) Carbon disulfide	2.48	76	839447	42.471	ug/L 100
15) Methyl Acetate	2.62	43	524981	53.206	ug/L 100
16) Methylene chloride	2.70	84	341341	48.560	ug/L 94
17) trans-1,2-Dichloroethene	2.98	96	292529	47.133	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	1081044	54.671	ug/L 99
19) 1,1-Dichloroethane	3.44	63	662127	50.657	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	333444	50.085	ug/L 92
22) 2-Butanone	4.27	43	788095	109.086	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	156138	48.265	ug/L	95
25) Chloroform	4.67	83	612452	49.000	ug/L	99
27) 1,2-Dichloroethane	5.40	62	512470	50.477	ug/L	98
29) Cyclohexane	4.99	56	593561	51.550	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	488438	47.917	ug/L	99
31) Carbon tetrachloride	5.13	117	406607	46.669	ug/L	100
33) Benzene	5.39	78	1356608	50.718	ug/L	100
34) Trichloroethene	6.18	95	326286	50.323	ug/L	96
35) Methylcyclohexane	6.41	83	493037	50.739	ug/L	99
37) 1,2-Dichloropropane	6.43	63	396114	52.165	ug/L	99
38) Bromodichloromethane	6.75	83	456175	49.546	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	551691	54.983	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1383008	118.378	ug/L	98
42) Toluene	7.63	91	1387146	52.061	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	476639	52.374	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	328763	52.517	ug/L	99
46) Tetrachloroethene	8.22	164	211333	47.810	ug/L	96
48) 2-Hexanone	8.36	43	1115224	118.025	ug/L	98
49) Dibromochloromethane	8.47	129	322534	49.518	ug/L	99
50) 1,2-Dibromoethane	8.58	107	339171	51.300	ug/L	99
51) Chlorobenzene	9.12	112	799863	50.800	ug/L	98
52) Ethylbenzene	9.25	91	1486083	53.768	ug/L	99
53) m,p-Xylene	9.37	106	503652	52.302	ug/L	99
54) o-xylene	9.77	106	524590	54.949	ug/L	99
55) Styrene	9.79	104	894351	54.833	ug/L	99
56) Isopropylbenzene	10.16	105	1371089	54.616	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	583985	52.571	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	485162	53.889	ug/L	98
61) Bromoform	9.95	173	226704	46.175	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	547264	49.916	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	555196	48.897	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	568559	48.795	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	134651	49.792	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	379670	46.236	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	322836	49.661	ug/L	98
69) Naphthalene	13.74	128	1235183	55.728	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	346596	46.830	ug/L	99

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

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