

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031219\
 Data File : VU029940.D
 Acq On : 10 Mar 2019 11:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Mar 11 06:43:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 02:20:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	535038	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	526886	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	273053	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	156437	47.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.84%
7) Chloroethane-d5	1.68	69	130302	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.96%
11) 1,1-Dichloroethene-d2	2.27	63	301145	48.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.88%
21) 2-Butanone-d5	4.17	46	256517	101.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.42%
24) Chloroform-d	4.64	84	313422	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
26) 1,2-Dichloroethane-d4	5.31	65	182781	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
32) Benzene-d6	5.34	84	657145	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
36) 1,2-Dichloropropane-d6	6.32	67	197935	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.82%
41) Toluene-d8	7.56	98	629650	49.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.96%
43) trans-1,3-Dichloropropene-	7.85	79	94168	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.14%
47) 2-Hexanone-d5	8.31	63	203818	95.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	319602	51.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	266157	49.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	217715	52.813	ug/L 100
3) Chloromethane	1.33	50	269496	49.900	ug/L 99
5) Vinyl chloride	1.40	62	217772	52.050	ug/L 98
6) Bromomethane	1.62	94	61582	55.518	ug/L 99
8) Chloroethane	1.69	64	128303	50.137	ug/L 99
9) Trichlorofluoromethane	1.88	101	286694	51.744	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	184207	54.020	ug/L 98
12) 1,1-Dichloroethene	2.28	96	170451	51.508	ug/L 93
13) Acetone	2.32	43	314642	114.049	ug/L 99
14) Carbon disulfide	2.47	76	525414	50.943	ug/L 99
15) Methyl Acetate	2.61	43	200440	52.625	ug/L 98
16) Methylene chloride	2.70	84	200732	51.736	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	183105	52.192	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	507341	57.772	ug/L 100
19) 1,1-Dichloroethane	3.44	63	318731	52.687	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	207000	51.710	ug/L 99
22) 2-Butanone	4.26	43	357424	113.179	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	105901	52.625	uq/L	98
25) Chloroform	4.67	83	331188	50.876	uq/L	99
27) 1,2-Dichloroethane	5.40	62	237366	51.270	uq/L	100
29) Cyclohexane	4.99	56	289676	53.693	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	279622	52.687	uq/L	99
31) Carbon tetrachloride	5.13	117	230688	49.226	uq/L	98
33) Benzene	5.39	78	750284	53.307	uq/L	100
34) Trichloroethene	6.18	95	190810	50.303	uq/L	99
35) Methylcyclohexane	6.41	83	332553	54.941	uq/L	100
37) 1,2-Dichloropropane	6.43	63	190685	51.988	uq/L	100
38) Bromodichloromethane	6.75	83	233951	50.950	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	295190	52.881	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	522651	106.863	uq/L	100
42) Toluene	7.63	91	827292	53.770	uq/L	98
44) trans-1,3-Dichloropropene	7.88	75	264931	53.273	uq/L	98
45) 1,1,2-Trichloroethane	8.06	97	193115	51.866	uq/L	99
46) Tetrachloroethene	8.22	164	173343	53.061	uq/L	94
48) 2-Hexanone	8.36	43	462808	111.936	uq/L	99
49) Dibromochloromethane	8.47	129	211429	51.882	uq/L	98
50) 1,2-Dibromoethane	8.58	107	207509	51.711	uq/L	98
51) Chlorobenzene	9.12	112	545500	52.387	uq/L	100
52) Ethylbenzene	9.25	91	901747	52.988	uq/L	100
53) m,p-Xylene	9.37	106	345883	53.091	uq/L	98
54) o-xylene	9.78	106	343605	52.975	uq/L	98
55) Styrene	9.79	104	523340	49.734	uq/L	99
56) Isopropylbenzene	10.16	105	891385	53.066	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	334505	51.882	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	253762	52.193	uq/L	100
61) Bromoform	9.95	173	161718	50.866	uq/L	100
62) 1,3-Dichlorobenzene	11.41	146	447703	53.632	uq/L	98
63) 1,4-Dichlorobenzene	11.50	146	453903	53.101	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	447532	52.558	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	67677	50.713	uq/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	344064	54.306	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	307316	54.371	uq/L	100
69) Naphthalene	13.74	128	906268	51.884	uq/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	312800	52.706	uq/L	99

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

