

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031245.D
 Acq On : 17 Apr 2019 09:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Apr 18 04:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 04:13:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	545776	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	511527	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	241081	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	237424	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.48%
7) Chloroethane-d5	1.68	69	211296	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.84%
11) 1,1-Dichloroethene-d2	2.27	63	478867	48.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.18%
21) 2-Butanone-d5	4.19	46	363243	99.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.23%
24) Chloroform-d	4.64	84	380113	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	5.31	65	239356	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
32) Benzene-d6	5.33	84	742048	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
36) 1,2-Dichloropropane-d6	6.32	67	294065	56.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.06%
41) Toluene-d8	7.56	98	703774	49.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.92%
43) trans-1,3-Dichloropropene-	7.85	79	123140	49.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.16%
47) 2-Hexanone-d5	8.31	63	252457	101.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	354482	48.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	262782	47.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	246521	48.936	ug/L 100
3) Chloromethane	1.33	50	290588	48.428	ug/L 100
5) Vinyl chloride	1.40	62	284440	47.626	ug/L 98
6) Bromomethane	1.63	94	185439	47.257	ug/L 100
8) Chloroethane	1.70	64	181770	47.338	ug/L 99
9) Trichlorofluoromethane	1.88	101	393017	47.270	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	220639	50.732	ug/L 99
12) 1,1-Dichloroethene	2.28	96	212135	49.731	ug/L 92
13) Acetone	2.34	43	366416	130.067	ug/L 99
14) Carbon disulfide	2.47	76	631043	54.608	ug/L 99
15) Methyl Acetate	2.62	43	246116	50.214	ug/L 99
16) Methylene chloride	2.70	84	196524	47.214	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	181682	46.746	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	587718	48.023	ug/L 99
19) 1,1-Dichloroethane	3.44	63	364531	47.186	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	205306	45.390	ug/L 96
22) 2-Butanone	4.27	43	395507	102.444	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	98820	44.100	uq/L	98
25) Chloroform	4.67	83	362312	45.725	uq/L	98
27) 1,2-Dichloroethane	5.40	62	280319	46.513	uq/L	97
29) Cyclohexane	4.99	56	339395	47.172	uq/L	98
30) 1,1,1-Trichloroethane	4.91	97	307691	45.458	uq/L	99
31) Carbon tetrachloride	5.13	117	272694	46.565	uq/L	99
33) Benzene	5.39	78	790624	45.953	uq/L	100
34) Trichloroethene	6.18	95	217037	50.417	uq/L	97
35) Methylcyclohexane	6.41	83	343319	53.569	uq/L	98
37) 1,2-Dichloropropane	6.43	63	245185	53.811	uq/L	98
38) Bromodichloromethane	6.75	83	275674	47.601	uq/L	100
39) cis-1,3-Dichloropropene	7.26	75	339717	49.753	uq/L	97
40) 4-Methyl-2-pentanone	7.46	43	656915	102.190	uq/L	99
42) Toluene	7.63	91	853235	49.856	uq/L	100
44) trans-1,3-Dichloropropene	7.87	75	286568	48.337	uq/L	98
45) 1,1,2-Trichloroethane	8.06	97	200255	48.832	uq/L	97
46) Tetrachloroethene	8.22	164	158222	48.867	uq/L	97
48) 2-Hexanone	8.36	43	530357	103.732	uq/L	98
49) Dibromochloromethane	8.47	129	217793	49.135	uq/L	100
50) 1,2-Dibromoethane	8.58	107	213480	49.274	uq/L	100
51) Chlorobenzene	9.12	112	514287	48.081	uq/L	99
52) Ethylbenzene	9.25	91	878979	47.179	uq/L	99
53) m,p-Xylene	9.37	106	332674	50.599	uq/L	100
54) o-xylene	9.77	106	314326	47.210	uq/L	97
55) Styrene	9.79	104	543990	48.402	uq/L	100
56) Isopropylbenzene	10.16	105	852820	49.973	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	338778	47.975	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	261937	48.334	uq/L	98
61) Bromoform	9.95	173	156874	47.003	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	380069	47.703	uq/L	99
63) 1,4-Dichlorobenzene	11.50	146	380963	47.690	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	392326	46.815	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	76206	47.660	uq/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	285808	47.933	uq/L	100
68) 1,2,4-trichlorobenzene	13.50	180	254535	52.678	uq/L	97
69) Naphthalene	13.74	128	829528	54.714	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	270341	51.518	uq/L	98

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

