

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031219\
 Data File : VU029971.D
 Acq On : 11 Mar 2019 12:19
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Mar 11 15:37:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 12:44:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	511575	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	503427	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	258431	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	138505	44.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.74%
7) Chloroethane-d5	1.68	69	117452	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.52%
11) 1,1-Dichloroethene-d2	2.27	63	278193	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.56%
21) 2-Butanone-d5	4.17	46	234840	97.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.11%
24) Chloroform-d	4.64	84	298259	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.31	65	172345	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
32) Benzene-d6	5.34	84	611904	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
36) 1,2-Dichloropropane-d6	6.33	67	188003	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.24%
41) Toluene-d8	7.56	98	587256	48.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.56%
43) trans-1,3-Dichloropropene-	7.85	79	90499	49.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.70%
47) 2-Hexanone-d5	8.31	63	170796	83.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.77%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303940	50.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	252526	49.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	197909	50.210	ug/L 100
3) Chloromethane	1.33	50	244579	47.363	ug/L 98
5) Vinyl chloride	1.40	62	208458	52.109	ug/L 99
6) Bromomethane	1.62	94	63654	60.018	ug/L 98
8) Chloroethane	1.69	64	119399	48.798	ug/L 100
9) Trichlorofluoromethane	1.88	101	269992	50.965	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	165197	50.667	ug/L 100
12) 1,1-Dichloroethene	2.28	96	158967	50.241	ug/L 94
13) Acetone	2.32	43	195082	73.955	ug/L 96
14) Carbon disulfide	2.47	76	496968	50.395	ug/L 99
15) Methyl Acetate	2.61	43	187507	51.487	ug/L 99
16) Methylene chloride	2.70	84	192940	52.009	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	175226	52.237	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	489680	58.318	ug/L 100
19) 1,1-Dichloroethane	3.44	63	302533	52.303	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	199768	52.192	ug/L 99
22) 2-Butanone	4.26	43	272040	90.093	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	103742	53.917	ug/L	97
25) Chloroform	4.67	83	317240	50.969	ug/L	99
27) 1,2-Dichloroethane	5.40	62	231664	52.333	ug/L	98
29) Cyclohexane	4.99	56	269800	52.339	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	265317	52.322	ug/L	99
31) Carbon tetrachloride	5.13	117	213599	47.704	ug/L	98
33) Benzene	5.39	78	711343	52.895	ug/L	100
34) Trichloroethene	6.18	95	186663	51.503	ug/L	99
35) Methylcyclohexane	6.41	83	299730	51.826	ug/L	99
37) 1,2-Dichloropropane	6.43	63	183999	52.503	ug/L	100
38) Bromodichloromethane	6.75	83	228920	52.177	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	278162	52.153	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	484645	103.710	ug/L	100
42) Toluene	7.63	91	783773	53.315	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	247511	52.089	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	185003	52.003	ug/L	98
46) Tetrachloroethene	8.22	164	165324	52.964	ug/L	95
48) 2-Hexanone	8.36	43	396305	100.318	ug/L	99
49) Dibromochloromethane	8.47	129	198266	50.919	ug/L	99
50) 1,2-Dibromoethane	8.58	107	199906	52.137	ug/L	100
51) Chlorobenzene	9.12	112	516408	51.905	ug/L	100
52) Ethylbenzene	9.25	91	846253	52.045	ug/L	99
53) m,p-Xylene	9.37	106	319048	51.254	ug/L	98
54) o-xylene	9.77	106	319082	51.486	ug/L	97
55) Styrene	9.79	104	490110	48.746	ug/L	99
56) Isopropylbenzene	10.16	105	819916	51.086	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	320175	51.974	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	239360	51.525	ug/L	100
61) Bromoform	9.95	173	156560	52.030	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	406716	51.479	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	404841	50.041	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	413984	51.369	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	62692	49.636	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	305765	50.992	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	266810	49.876	ug/L	100
69) Naphthalene	13.74	128	817407	49.444	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	280089	49.864	ug/L	100

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

