

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031423.D
 Acq On : 23 Apr 2019 09:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Apr 24 06:00:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 04:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	711873	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	667598	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	315579	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	284808	49.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.74%
7) Chloroethane-d5	1.68	69	221990	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.08%
11) 1,1-Dichloroethene-d2	2.27	63	509501	50.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.54%
21) 2-Butanone-d5	4.19	46	466258	108.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.12%
24) Chloroform-d	4.64	84	472967	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.90%
26) 1,2-Dichloroethane-d4	5.31	65	283204	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
32) Benzene-d6	5.33	84	971774	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
36) 1,2-Dichloropropane-d6	6.32	67	314618	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.40%
41) Toluene-d8	7.56	98	850124	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%
43) trans-1,3-Dichloropropene-	7.85	79	145935	51.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.22%
47) 2-Hexanone-d5	8.31	63	320178	102.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	431323	51.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	313630	48.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	262249	51.976	ug/L	100
3) Chloromethane	1.32	50	328376	51.024	ug/L	100
5) Vinyl chloride	1.40	62	327095	51.584	ug/L	97
6) Bromomethane	1.63	94	182958	49.432	ug/L	99
8) Chloroethane	1.70	64	190949	52.844	ug/L	100
9) Trichlorofluoromethane	1.88	101	401270	52.803	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	241646	54.815	ug/L	98
12) 1,1-Dichloroethene	2.28	96	228829	52.766	ug/L	97
13) Acetone	2.34	43	460930	136.140	ug/L	99
14) Carbon disulfide	2.47	76	681849	52.383	ug/L	99
15) Methyl Acetate	2.62	43	338062	54.659	ug/L	98
16) Methylene chloride	2.70	84	260304	52.687	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	238533	53.330	ug/L	100
18) Methyl tert-butyl Ether	2.99	73	784880	53.355	ug/L	99
19) 1,1-Dichloroethane	3.44	63	464954	53.176	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	269110	53.026	ug/L	100
22) 2-Butanone	4.27	43	540887	123.278	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	133749	52.548	ug/L	98
25) Chloroform	4.67	83	456515	54.172	ug/L	96
27) 1,2-Dichloroethane	5.40	62	333477	53.061	ug/L	100
29) Cyclohexane	4.99	56	439752	54.288	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	370456	52.050	ug/L	98
31) Carbon tetrachloride	5.13	117	320845	52.654	ug/L	99
33) Benzene	5.39	78	1015055	52.540	ug/L	100
34) Trichloroethene	6.18	95	258113	50.446	ug/L	98
35) Methylcyclohexane	6.41	83	401013	53.560	ug/L	99
37) 1,2-Dichloropropane	6.43	63	281240	54.645	ug/L	99
38) Bromodichloromethane	6.75	83	333697	52.855	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	417423	54.192	ug/L	95
40) 4-Methyl-2-pentanone	7.46	43	840487	107.453	ug/L	99
42) Toluene	7.63	91	1063688	53.056	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	360305	54.264	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	247699	52.401	ug/L	99
46) Tetrachloroethene	8.22	164	190402	52.469	ug/L	99
48) 2-Hexanone	8.36	43	706919	115.858	ug/L	99
49) Dibromochloromethane	8.47	129	260913	52.024	ug/L	99
50) 1,2-Dibromoethane	8.58	107	265661	53.434	ug/L	99
51) Chlorobenzene	9.12	112	637544	51.241	ug/L	97
52) Ethylbenzene	9.25	91	1129553	52.591	ug/L	98
53) m,p-Xylene	9.37	106	420132	53.595	ug/L	99
54) o-xylene	9.77	106	415650	52.739	ug/L	100
55) Styrene	9.79	104	712622	54.368	ug/L	97
56) Isopropylbenzene	10.16	105	1085073	53.591	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	424068	51.961	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	339406	53.433	ug/L	100
61) Bromoform	9.95	173	189931	48.951	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	475330	51.435	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	480972	52.173	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	489709	51.837	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	96521	55.247	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	369278	54.220	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	309489	56.526	ug/L	98
69) Naphthalene	13.74	128	1021838	53.684	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	318404	54.010	ug/L	99

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

