

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042919\
 Data File : VU031599.D
 Acq On : 29 Apr 2019 20:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Apr 30 02:00:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 01:54:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	683527	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	689202	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	295316	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	252743	44.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.36%
7) Chloroethane-d5	1.68	69	200971	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.92%
11) 1,1-Dichloroethene-d2	2.27	63	540466	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.88%
21) 2-Butanone-d5	4.18	46	608983	117.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.49%
24) Chloroform-d	4.64	84	524180	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
26) 1,2-Dichloroethane-d4	5.31	65	354368	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
32) Benzene-d6	5.34	84	988964	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
36) 1,2-Dichloropropane-d6	6.32	67	354884	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.56	98	852834	46.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.54%
43) trans-1,3-Dichloropropene-	7.85	79	149771	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
47) 2-Hexanone-d5	8.31	63	345876	107.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	496198	49.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	294651	47.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	357558	47.571	ug/L	99
3) Chloromethane	1.32	50	451914	49.693	ug/L	99
5) Vinyl chloride	1.40	62	417087	49.056	ug/L	99
6) Bromomethane	1.63	94	207042	46.176	ug/L	100
8) Chloroethane	1.70	64	231252	49.758	ug/L	96
9) Trichlorofluoromethane	1.88	101	469015	48.390	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	257706	47.035	ug/L	96
12) 1,1-Dichloroethene	2.28	96	257424	48.270	ug/L	99
13) Acetone	2.34	43	460859	78.935	ug/L	98
14) Carbon disulfide	2.48	76	830296	46.918	ug/L	99
15) Methyl Acetate	2.62	43	476793	53.971	ug/L	99
16) Methylene chloride	2.70	84	315447	50.122	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	267554	48.148	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	943533	53.295	ug/L	100
19) 1,1-Dichloroethane	3.44	63	606573	51.831	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	301490	50.579	ug/L	91
22) 2-Butanone	4.27	43	687719	106.320	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	142352	49.147	ug/L	96
25) Chloroform	4.67	83	564963	50.484	ug/L	99
27) 1,2-Dichloroethane	5.40	62	471084	51.825	ug/L	97
29) Cyclohexane	4.99	56	536903	49.222	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	460673	47.706	ug/L	98
31) Carbon tetrachloride	5.13	117	387264	46.920	ug/L	99
33) Benzene	5.39	78	1232877	48.655	ug/L	100
34) Trichloroethene	6.18	95	302640	49.271	ug/L	94
35) Methylcyclohexane	6.41	83	442073	48.024	ug/L	97
37) 1,2-Dichloropropane	6.43	63	367058	51.026	ug/L	99
38) Bromodichloromethane	6.75	83	428105	49.083	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	491887	51.748	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1199777	108.404	ug/L	98
42) Toluene	7.63	91	1236512	48.988	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	431556	50.056	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	290987	49.067	ug/L	96
46) Tetrachloroethene	8.22	164	189582	45.274	ug/L	96
48) 2-Hexanone	8.36	43	969060	108.258	ug/L	98
49) Dibromochloromethane	8.47	129	294850	47.784	ug/L	97
50) 1,2-Dibromoethane	8.58	107	308958	49.328	ug/L	97
51) Chlorobenzene	9.12	112	716692	48.049	ug/L	97
52) Ethylbenzene	9.25	91	1307552	49.939	ug/L	100
53) m,p-Xylene	9.37	106	462915	50.744	ug/L	99
54) o-xylene	9.77	106	459328	50.788	ug/L	99
55) Styrene	9.79	104	802684	51.949	ug/L	97
56) Isopropylbenzene	10.16	105	1208149	50.801	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	525421	49.929	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	428097	50.194	ug/L	98
61) Bromoform	9.95	173	201569	46.046	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	485256	49.640	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	493458	48.742	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	510424	49.130	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	123297	51.134	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	340536	46.511	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	288159	49.714	ug/L	98
69) Naphthalene	13.74	128	1075178	54.405	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	324966	49.244	ug/L	100

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

