

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\
 Data File : VU031987.D
 Acq On : 14 May 2019 12:18
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV55

Quant Time: May 15 02:09:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 15 02:07:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1113150	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1127352	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	506441	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	468840	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.00%
7) Chloroethane-d5	1.67	69	381223	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.27	63	838149	47.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.74%
21) 2-Butanone-d5	4.17	46	697195	101.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.93%
24) Chloroform-d	4.64	84	790967	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.30	65	488709	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
32) Benzene-d6	5.34	84	1625649	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
36) 1,2-Dichloropropane-d6	6.32	67	531956	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.80%
41) Toluene-d8	7.56	98	1470354	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%
43) trans-1,3-Dichloropropene-	7.85	79	244005	51.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.72%
47) 2-Hexanone-d5	8.31	63	467878	107.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	770528	48.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	537752	50.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	463526	45.230 ug/L	99
3) Chloromethane	1.33	50	525764	45.937 ug/L	100
5) Vinyl chloride	1.40	62	556800	46.440 ug/L	99
6) Bromomethane	1.61	94	318603	50.558 ug/L	100
8) Chloroethane	1.69	64	329570	46.457 ug/L	100
9) Trichlorofluoromethane	1.88	101	614565	45.290 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	376970	45.507 ug/L	99
12) 1,1-Dichloroethene	2.28	96	391221	47.588 ug/L	98
13) Acetone	2.32	43	666460	94.776 ug/L	99
14) Carbon disulfide	2.47	76	1245730	46.911 ug/L	99
15) Methyl Acetate	2.61	43	495313	46.389 ug/L #	100
16) Methylene chloride	2.70	84	453953	45.279 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	406371	47.516 ug/L	97
18) Methyl tert-butyl Ether	2.99	73	1277763	48.622 ug/L	99
19) 1,1-Dichloroethane	3.44	63	779701	46.428 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	453076	47.895 ug/L	99
22) 2-Butanone	4.26	43	829793	102.307 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	215419	46.463	ug/L	98
25) Chloroform	4.67	83	778397	46.900	ug/L	98
27) 1,2-Dichloroethane	5.40	62	596715	46.451	ug/L	99
29) Cyclohexane	4.99	56	709161	51.319	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	614465	47.006	ug/L	99
31) Carbon tetrachloride	5.13	117	512775	47.020	ug/L	100
33) Benzene	5.39	78	1769541	47.919	ug/L	100
34) Trichloroethene	6.18	95	434354	47.496	ug/L	99
35) Methylcyclohexane	6.41	83	689035	49.136	ug/L	98
37) 1,2-Dichloropropane	6.43	63	473102	47.700	ug/L	100
38) Bromodichloromethane	6.75	83	573126	47.288	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	705930	50.130	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1358375	100.940	ug/L	99
42) Toluene	7.63	91	1895714	50.027	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	610080	49.332	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	425511	46.788	ug/L	99
46) Tetrachloroethene	8.22	164	298964	46.303	ug/L	98
48) 2-Hexanone	8.36	43	1167278	106.871	ug/L	99
49) Dibromochloromethane	8.47	129	430274	47.166	ug/L	98
50) 1,2-Dibromoethane	8.58	107	453445	47.115	ug/L	95
51) Chlorobenzene	9.12	112	1136582	47.240	ug/L	99
52) Ethylbenzene	9.24	91	2037071	50.235	ug/L	100
53) m,p-Xylene	9.37	106	758859	51.279	ug/L	98
54) o-xylene	9.77	106	761097	52.088	ug/L	99
55) Styrene	9.79	104	1309535	52.209	ug/L	99
56) Isopropylbenzene	10.16	105	1946359	51.988	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	774664	47.191	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	601954	46.529	ug/L	100
61) Bromoform	9.95	173	309534	45.795	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	822170	49.619	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	840145	47.935	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	854987	48.693	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	161845	47.711	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	608401	51.199	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	505264	55.204	ug/L	99
69) Naphthalene	13.74	128	1954444	64.135	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	559745	56.180	ug/L	99

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

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