

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031819\
 Data File : VU030159.D
 Acq On : 18 Mar 2019 09:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Mar 18 12:47:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 12:44:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	526003	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	527034	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	271687	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	192609	55.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.72%
7) Chloroethane-d5	1.68	69	152713	54.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.74%
11) 1,1-Dichloroethene-d2	2.27	63	332700	52.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.96%
21) 2-Butanone-d5	4.17	46	267277	102.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.53%
24) Chloroform-d	4.64	84	345163	55.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.62%
26) 1,2-Dichloroethane-d4	5.31	65	196270	54.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.88%
32) Benzene-d6	5.34	84	724665	53.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.84%
36) 1,2-Dichloropropane-d6	6.33	67	221447	53.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.66%
41) Toluene-d8	7.56	98	678809	53.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.86%
43) trans-1,3-Dichloropropene-	7.85	79	110052	54.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.44%
47) 2-Hexanone-d5	8.31	63	223818	96.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	330386	51.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	273593	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	152115	45.768	ug/L	99
3) Chloromethane	1.33	50	169385	46.195	ug/L	99
5) Vinyl chloride	1.40	62	182712	45.457	ug/L	99
6) Bromomethane	1.62	94	106636	42.826	ug/L	97
8) Chloroethane	1.69	64	117241	44.503	ug/L	96
9) Trichlorofluoromethane	1.88	101	257064	47.688	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	169494	49.048	ug/L	98
12) 1,1-Dichloroethene	2.28	96	155148	47.059	ug/L	97
13) Acetone	2.32	43	235193	77.166	ug/L	100
14) Carbon disulfide	2.48	76	439391	43.000	ug/L	100
15) Methyl Acetate	2.61	43	186329	47.319	ug/L	100
16) Methylene chloride	2.70	84	183547	47.148	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	167467	46.644	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	513356	48.210	ug/L	99
19) 1,1-Dichloroethane	3.44	63	304478	49.393	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	195815	47.908	ug/L	99
22) 2-Butanone	4.26	43	290961	83.854	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	99533	47.010	ug/L	98
25) Chloroform	4.67	83	318947	49.297	ug/L	99
27) 1,2-Dichloroethane	5.40	62	222549	47.844	ug/L	99
29) Cyclohexane	4.99	56	255874	44.018	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	270295	46.979	ug/L	99
31) Carbon tetrachloride	5.13	117	236618	46.573	ug/L	99
33) Benzene	5.39	78	695938	46.146	ug/L	100
34) Trichloroethene	6.18	95	181087	45.814	ug/L	99
35) Methylcyclohexane	6.41	83	283891	44.292	ug/L	98
37) 1,2-Dichloropropane	6.43	63	190890	48.120	ug/L	100
38) Bromodichloromethane	6.75	83	242037	49.065	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	293642	47.566	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	485447	90.631	ug/L	99
42) Toluene	7.63	91	774141	47.212	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	274912	48.773	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	192712	48.576	ug/L	99
46) Tetrachloroethene	8.22	164	159080	45.989	ug/L	97
48) 2-Hexanone	8.36	43	393449	86.102	ug/L	99
49) Dibromochloromethane	8.47	129	215919	48.713	ug/L	100
50) 1,2-Dibromoethane	8.58	107	204682	46.807	ug/L	98
51) Chlorobenzene	9.12	112	511773	46.295	ug/L	99
52) Ethylbenzene	9.25	91	835615	46.292	ug/L	99
53) m,p-Xylene	9.37	106	326727	46.783	ug/L	99
54) o-xylene	9.77	106	322817	47.060	ug/L	97
55) Styrene	9.79	104	554872	47.505	ug/L	100
56) Isopropylbenzene	10.16	105	843220	46.953	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	325446	47.795	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	242363	46.912	ug/L	100
61) Bromoform	9.95	173	171100	50.594	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	410576	46.795	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	421958	47.296	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	425270	48.153	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	67708	47.177	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	323882	47.559	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	284153	45.615	ug/L	98
69) Naphthalene	13.74	128	899650	44.450	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	299901	46.343	ug/L	99

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

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