

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
 Data File : VU029623.D
 Acq On : 22 Feb 2019 16:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Feb 22 22:19:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 22 22:13:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	489628	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	488237	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	268639	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165881	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.46%
7) Chloroethane-d5	1.68	69	143247	44.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.82%
11) 1,1-Dichloroethene-d2	2.27	63	323224	46.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.18%
21) 2-Butanone-d5	4.17	46	220546	101.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.01%
24) Chloroform-d	4.65	84	298344	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.54%
26) 1,2-Dichloroethane-d4	5.31	65	184079	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
32) Benzene-d6	5.34	84	626873	51.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.06%
36) 1,2-Dichloropropane-d6	6.33	67	189075	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.30%
41) Toluene-d8	7.56	98	615122	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%
43) trans-1,3-Dichloropropene-	7.85	79	94574	48.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.48%
47) 2-Hexanone-d5	8.31	63	191741	93.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	300647	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	277048	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	169538	50.500	ug/L	99
3) Chloromethane	1.33	50	151120	51.311	ug/L	99
5) Vinyl chloride	1.40	62	198817	49.707	ug/L	100
6) Bromomethane	1.62	94	110790	60.692	ug/L	100
8) Chloroethane	1.70	64	125224	47.070	ug/L	99
9) Trichlorofluoromethane	1.88	101	282106	44.245	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	160694	47.116	ug/L	99
12) 1,1-Dichloroethene	2.28	96	159997	49.345	ug/L	97
13) Acetone	2.32	43	150862	64.662	ug/L	100
14) Carbon disulfide	2.48	76	437743	51.549	ug/L	99
15) Methyl Acetate	2.61	43	159827	52.778	ug/L	99
16) Methylene chloride	2.70	84	167102	53.260	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	156882	52.422	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	478563	51.651	ug/L	100
19) 1,1-Dichloroethane	3.44	63	274221	52.992	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	183808	52.858	ug/L	95
22) 2-Butanone	4.26	43	227485	85.436	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	97725	51.265	ug/L	95
25) Chloroform	4.67	83	298501	51.701	ug/L	99
27) 1,2-Dichloroethane	5.40	62	227808	51.320	ug/L	99
29) Cyclohexane	4.99	56	244677	50.640	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	257520	49.745	ug/L	99
31) Carbon tetrachloride	5.13	117	222129	47.408	ug/L	99
33) Benzene	5.39	78	653851	52.234	ug/L	100
34) Trichloroethene	6.18	95	174063	51.618	ug/L	97
35) Methylcyclohexane	6.41	83	277453	49.544	ug/L	97
37) 1,2-Dichloropropane	6.43	63	170586	51.914	ug/L	99
38) Bromodichloromethane	6.76	83	221385	49.975	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	273504	51.590	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	444788	96.259	ug/L	98
42) Toluene	7.63	91	753866	50.926	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	248691	49.774	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	175027	49.973	ug/L	98
46) Tetrachloroethene	8.22	164	157424	47.696	ug/L	97
48) 2-Hexanone	8.36	43	356894	88.415	ug/L	99
49) Dibromochloromethane	8.47	129	203150	47.845	ug/L	99
50) 1,2-Dibromoethane	8.58	107	196386	50.610	ug/L	96
51) Chlorobenzene	9.12	112	510263	50.221	ug/L	99
52) Ethylbenzene	9.25	91	839607	49.939	ug/L	99
53) m,p-Xylene	9.37	106	329944	48.889	ug/L	98
54) o-xylene	9.78	106	334517	49.345	ug/L	100
55) Styrene	9.79	104	563531	49.243	ug/L	95
56) Isopropylbenzene	10.16	105	863780	48.693	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	301704	48.714	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	227140	48.481	ug/L	100
61) Bromoform	9.95	173	158781	43.890	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	419466	48.973	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	419769	48.699	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	431873	48.303	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	65283	46.921	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	325646	49.822	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	285371	50.479	ug/L	98
69) Naphthalene	13.74	128	898286	51.696	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	299740	49.929	ug/L	99

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

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