

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030718.D
 Acq On : 05 Apr 2019 04:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Apr 05 05:19:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 02:15:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	488684	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	479354	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	223154	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	207573	47.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.16%
7) Chloroethane-d5	1.68	69	160930	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.22%
11) 1,1-Dichloroethene-d2	2.27	63	381609	48.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.72%
21) 2-Butanone-d5	4.17	46	361885	104.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.67%
24) Chloroform-d	4.64	84	331043	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	5.31	65	223820	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
32) Benzene-d6	5.34	84	683860	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.33	67	234304	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.72%
41) Toluene-d8	7.56	98	617638	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%
43) trans-1,3-Dichloropropene-	7.85	79	104128	47.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.24%
47) 2-Hexanone-d5	8.31	63	226188	103.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	320784	49.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	217583	49.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	196535	45.785	ug/L 99
3) Chloromethane	1.32	50	263031	47.373	ug/L 100
5) Vinyl chloride	1.40	62	257951	47.993	ug/L 98
6) Bromomethane	1.62	94	133540	47.957	ug/L 98
8) Chloroethane	1.69	64	151211	49.327	ug/L 98
9) Trichlorofluoromethane	1.88	101	298138	47.606	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	160189	45.778	ug/L 98
12) 1,1-Dichloroethene	2.28	96	168767	49.960	ug/L 98
13) Acetone	2.32	43	261965	74.045	ug/L 98
14) Carbon disulfide	2.47	76	507074	48.321	ug/L 99
15) Methyl Acetate	2.61	43	275840	50.286	ug/L 97
16) Methylene chloride	2.69	84	197521	48.133	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	167934	46.821	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	595808	49.590	ug/L 99
19) 1,1-Dichloroethane	3.44	63	364814	49.286	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	198918	50.227	ug/L 95
22) 2-Butanone	4.26	43	396820	95.663	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	92522	49.416	ug/L	98
25) Chloroform	4.67	83	355549	47.792	ug/L	100
27) 1,2-Dichloroethane	5.40	62	278156	48.988	ug/L	98
29) Cyclohexane	4.99	56	329830	48.276	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	283498	48.529	ug/L	99
31) Carbon tetrachloride	5.13	117	239098	47.495	ug/L	98
33) Benzene	5.39	78	777117	49.540	ug/L	100
34) Trichloroethene	6.18	95	188209	48.919	ug/L	99
35) Methylcyclohexane	6.41	83	276926	46.640	ug/L	99
37) 1,2-Dichloropropane	6.43	63	217219	48.903	ug/L	99
38) Bromodichloromethane	6.75	83	259658	48.457	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	309463	48.948	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	717429	100.441	ug/L	98
42) Toluene	7.63	91	804120	50.219	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	272020	48.823	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	189282	50.246	ug/L	97
46) Tetrachloroethene	8.22	164	129474	46.287	ug/L	97
48) 2-Hexanone	8.36	43	560287	100.541	ug/L	99
49) Dibromochloromethane	8.47	129	195981	49.028	ug/L	99
50) 1,2-Dibromoethane	8.58	107	202338	49.637	ug/L	97
51) Chlorobenzene	9.12	112	483977	49.281	ug/L	99
52) Ethylbenzene	9.24	91	863505	49.474	ug/L	100
53) m,p-Xylene	9.37	106	305014	50.107	ug/L	98
54) o-xylene	9.77	106	305276	50.417	ug/L	96
55) Styrene	9.79	104	536432	51.650	ug/L	99
56) Isopropylbenzene	10.16	105	802573	50.344	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	332924	48.860	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	263327	49.499	ug/L	98
61) Bromoform	9.95	173	141174	47.889	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	339757	48.173	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	346413	48.288	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	349635	49.422	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	73691	48.999	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	246596	47.843	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	211893	48.351	ug/L	99
69) Naphthalene	13.74	128	743597	52.341	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	226454	49.458	ug/L	98

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

