

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU040619\
 Data File : VU030791.D
 Acq On : 06 Apr 2019 10:59
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05096

Quant Time: Apr 08 01:09:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 01:03:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	500994	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	476461	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	225422	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	199355	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.16%
7) Chloroethane-d5	1.67	69	164436	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.88%
11) 1,1-Dichloroethene-d2	2.27	63	388171	47.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.98%
21) 2-Butanone-d5	4.17	46	388680	109.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.66%
24) Chloroform-d	4.64	84	347097	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
26) 1,2-Dichloroethane-d4	5.31	65	239038	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
32) Benzene-d6	5.34	84	692090	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
36) 1,2-Dichloropropane-d6	6.32	67	241124	50.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.16%
41) Toluene-d8	7.56	98	629012	51.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.04%
43) trans-1,3-Dichloropropene-	7.85	79	107972	49.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.34%
47) 2-Hexanone-d5	8.31	63	252099	115.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	343657	53.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.90%
64) 1,2-Dichlorobenzene-d4	11.85	152	222351	50.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	205905	46.789	ug/L 99
3) Chloromethane	1.32	50	273819	48.104	ug/L 100
5) Vinyl chloride	1.40	62	268098	48.655	ug/L 96
6) Bromomethane	1.62	94	138252	48.429	ug/L 98
8) Chloroethane	1.69	64	161410	51.360	ug/L 100
9) Trichlorofluoromethane	1.88	101	319449	49.755	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	165061	46.012	ug/L 99
12) 1,1-Dichloroethene	2.28	96	172183	49.719	ug/L 99
13) Acetone	2.32	43	282639	77.926	ug/L 100
14) Carbon disulfide	2.47	76	519423	48.281	ug/L 100
15) Methyl Acetate	2.61	43	296584	52.739	ug/L 98
16) Methylene chloride	2.70	84	207256	49.264	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	175570	47.747	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	612615	49.736	ug/L 99
19) 1,1-Dichloroethane	3.44	63	390663	51.482	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	205581	50.634	ug/L 99
22) 2-Butanone	4.26	43	435595	102.431	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	98724	51.433	ug/L	97
25) Chloroform	4.67	83	384399	50.401	ug/L	99
27) 1,2-Dichloroethane	5.40	62	301219	51.746	ug/L	97
29) Cyclohexane	4.99	56	331326	48.790	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	301945	52.000	ug/L	99
31) Carbon tetrachloride	5.13	117	260219	52.004	ug/L	99
33) Benzene	5.38	78	815140	52.280	ug/L	100
34) Trichloroethene	6.18	95	196734	51.445	ug/L	100
35) Methylcyclohexane	6.41	83	279018	47.277	ug/L	98
37) 1,2-Dichloropropane	6.43	63	231226	52.373	ug/L	99
38) Bromodichloromethane	6.75	83	279725	52.519	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	318027	50.608	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	779460	109.788	ug/L	100
42) Toluene	7.63	91	840491	52.809	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	286561	51.745	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	196739	52.543	ug/L	99
46) Tetrachloroethene	8.22	164	133936	48.173	ug/L	99
48) 2-Hexanone	8.36	43	623391	112.544	ug/L	99
49) Dibromochloromethane	8.47	129	209652	52.767	ug/L	99
50) 1,2-Dibromoethane	8.58	107	208659	51.498	ug/L	100
51) Chlorobenzene	9.12	112	514312	52.688	ug/L	99
52) Ethylbenzene	9.25	91	900714	51.919	ug/L	99
53) m,p-Xylene	9.37	106	313173	51.759	ug/L	98
54) o-xylene	9.77	106	315066	52.350	ug/L	97
55) Styrene	9.79	104	558189	54.071	ug/L	100
56) Isopropylbenzene	10.16	105	833380	52.594	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	349248	51.567	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	280448	53.038	ug/L	100
61) Bromoform	9.95	173	153100	51.412	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	353442	49.610	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	368041	50.786	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	372108	52.069	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	79561	52.370	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	250824	48.174	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	226500	51.164	ug/L	98
69) Naphthalene	13.74	128	757847	52.808	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	237451	51.338	ug/L	96

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

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