

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU060619\
 Data File : VU032483.D
 Acq On : 06 Jun 2019 08:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Quant Time: Jun 07 04:07:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 06 04:04:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	219756	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	205280	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112931	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62863	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.65	69	51652	45.08	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.16%
11) 1,1-Dichloroethene-d2	2.26	63	130324	46.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.36%
21) 2-Butanone-d5	4.17	46	106612	89.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.35%
24) Chloroform-d	4.64	84	124052	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
26) 1,2-Dichloroethane-d4	5.30	65	78144	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
32) Benzene-d6	5.33	84	249928	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.32	67	78561	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.02%
41) Toluene-d8	7.56	98	237720	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%
43) trans-1,3-Dichloropropene-	7.84	79	39810	49.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.56%
47) 2-Hexanone-d5	8.31	63	77875	96.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.08%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116759	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	102567	47.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	97062	48.993	ug/L 99
3) Chloromethane	1.32	50	91910	48.011	ug/L 98
5) Vinyl chloride	1.40	62	89935	47.030	ug/L 99
6) Bromomethane	1.60	94	51809	45.463	ug/L 100
8) Chloroethane	1.68	64	51238	45.077	ug/L 99
9) Trichlorofluoromethane	1.87	101	124528	48.225	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	66713	49.676	ug/L 99
12) 1,1-Dichloroethene	2.27	96	63686	48.840	ug/L 90
13) Acetone	2.32	43	118261	96.060	ug/L 99
14) Carbon disulfide	2.46	76	193318	48.793	ug/L 99
15) Methyl Acetate	2.61	43	79480	45.217	ug/L 97
16) Methylene chloride	2.69	84	72232	48.546	ug/L 98
17) trans-1,2-Dichloroethene	2.97	96	68025	48.141	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	220700	47.542	ug/L 100
19) 1,1-Dichloroethane	3.43	63	124291	48.250	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	76717	47.973	ug/L 100
22) 2-Butanone	4.25	43	138828	95.412	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	40264	48.423	ug/L	98
25) Chloroform	4.66	83	128017	48.158	ug/L	98
27) 1,2-Dichloroethane	5.40	62	100194	47.679	ug/L	100
29) Cyclohexane	4.98	56	118094	48.366	ug/L	98
30) 1,1,1-Trichloroethane	4.90	97	113809	48.974	ug/L	99
31) Carbon tetrachloride	5.12	117	105687	49.621	ug/L	99
33) Benzene	5.38	78	279528	48.464	ug/L	100
34) Trichloroethene	6.18	95	74446	47.443	ug/L	99
35) Methylcyclohexane	6.41	83	125864	49.546	ug/L	100
37) 1,2-Dichloropropane	6.42	63	75726	49.528	ug/L	100
38) Bromodichloromethane	6.75	83	96735	49.136	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	122499	50.780	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	231104	93.956	ug/L	100
42) Toluene	7.63	91	308177	48.788	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	107810	50.351	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	71053	49.143	ug/L	99
46) Tetrachloroethene	8.22	164	64871	50.054	ug/L	99
48) 2-Hexanone	8.36	43	195150	96.595	ug/L	100
49) Dibromochloromethane	8.47	129	84698	50.399	ug/L	99
50) 1,2-Dibromoethane	8.58	107	78797	48.419	ug/L	97
51) Chlorobenzene	9.11	112	200353	49.232	ug/L	100
52) Ethylbenzene	9.24	91	347331	49.331	ug/L	100
53) m,p-Xylene	9.37	106	132155	49.361	ug/L	99
54) o-xylene	9.77	106	131780	49.574	ug/L	100
55) Styrene	9.79	104	221958	50.016	ug/L	99
56) Isopropylbenzene	10.16	105	347363	49.556	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	121097	49.005	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	95451	48.024	ug/L	99
61) Bromoform	9.95	173	66291	49.235	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	167280	48.961	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	167866	48.058	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	171119	49.538	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	28576	49.170	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	137368	51.677	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	118601	52.666	ug/L	99
69) Naphthalene	13.74	128	354041	49.842	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	118943	50.750	ug/L	99

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

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