

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\
 Data File : VU030685.D
 Acq On : 04 Apr 2019 14:32
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Apr 04 14:51:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 02 08:36:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	458401	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	442059	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	206076	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	187540	50.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.68%
7) Chloroethane-d5	1.68	69	147449	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.86%
11) 1,1-Dichloroethene-d2	2.27	63	358020	51.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.32%
21) 2-Butanone-d5	4.17	46	358544	103.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.39%
24) Chloroform-d	4.64	84	315162	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	5.31	65	208436	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
32) Benzene-d6	5.34	84	620230	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
36) 1,2-Dichloropropane-d6	6.33	67	218242	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.64%
41) Toluene-d8	7.56	98	559694	49.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.32%
43) trans-1,3-Dichloropropene-	7.85	79	100975	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.31	63	219638	93.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	313449	50.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	203274	49.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	203214	40.179 ug/L	99
3) Chloromethane	1.32	50	268018	47.381 ug/L	99
5) Vinyl chloride	1.40	62	261168	48.689 ug/L	98
6) Bromomethane	1.62	94	137634	55.933 ug/L	98
8) Chloroethane	1.69	64	147762	48.795 ug/L	99
9) Trichlorofluoromethane	1.88	101	299713	51.238 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	167253	49.992 ug/L	99
12) 1,1-Dichloroethene	2.28	96	166206	50.677 ug/L	99
13) Acetone	2.32	43	317241	90.455 ug/L	98
14) Carbon disulfide	2.47	76	515051	47.496 ug/L	99
15) Methyl Acetate	2.61	43	282156	52.541 ug/L #	100
16) Methylene chloride	2.70	84	195429	50.546 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	172301	50.075 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	583063	51.241 ug/L	99
19) 1,1-Dichloroethane	3.44	63	362816	51.395 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	196436	50.905 ug/L	100
22) 2-Butanone	4.26	43	424615	100.165 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	93840	52.319	ug/L	94
25) Chloroform	4.67	83	351980	52.441	ug/L	98
27) 1,2-Dichloroethane	5.40	62	274213	52.065	ug/L	97
29) Cyclohexane	4.99	56	334175	49.953	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	282871	52.260	ug/L	99
31) Carbon tetrachloride	5.13	117	236946	51.646	ug/L	97
33) Benzene	5.39	78	781744	51.950	ug/L	100
34) Trichloroethene	6.18	95	185837	50.236	ug/L	98
35) Methylcyclohexane	6.41	83	290789	47.769	ug/L	100
37) 1,2-Dichloropropane	6.43	63	213631	50.025	ug/L	99
38) Bromodichloromethane	6.75	83	258058	50.857	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	301397	49.102	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	721038	100.519	ug/L	100
42) Toluene	7.63	91	791156	50.659	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	288682	53.450	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	186217	51.608	ug/L	97
46) Tetrachloroethene	8.22	164	135990	52.631	ug/L	97
48) 2-Hexanone	8.36	43	581205	98.861	ug/L	99
49) Dibromochloromethane	8.47	129	194352	51.837	ug/L	97
50) 1,2-Dibromoethane	8.58	107	198047	51.142	ug/L	96
51) Chlorobenzene	9.12	112	476056	50.296	ug/L	98
52) Ethylbenzene	9.25	91	872208	51.555	ug/L	99
53) m,p-Xylene	9.37	106	309473	50.662	ug/L	100
54) o-xylene	9.77	106	308996	51.841	ug/L	96
55) Styrene	9.79	104	537099	52.311	ug/L	99
56) Isopropylbenzene	10.16	105	799580	50.663	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	333637	50.169	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	263850	50.760	ug/L	99
61) Bromoform	9.95	173	142660	52.068	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	345630	51.286	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	352580	50.820	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	350860	51.488	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	76949	50.713	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	253064	50.160	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	217649	49.651	ug/L	97
69) Naphthalene	13.74	128	745466	47.825	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	229301	49.537	ug/L	99

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

