

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040119\
 Data File : VU030582.D
 Acq On : 31 Mar 2019 11:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Apr 01 01:58:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 02:12:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	485776	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	474930	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	219026	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	163774	41.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.78%
7) Chloroethane-d5	1.67	69	132333	42.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.42%
11) 1,1-Dichloroethene-d2	2.27	63	330587	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
21) 2-Butanone-d5	4.17	46	317305	86.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.34%
24) Chloroform-d	4.64	84	307940	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.44%
26) 1,2-Dichloroethane-d4	5.30	65	198147	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.92%
32) Benzene-d6	5.34	84	598807	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
36) 1,2-Dichloropropane-d6	6.33	67	209505	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.92%
41) Toluene-d8	7.56	98	548167	44.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.62%
43) trans-1,3-Dichloropropene-	7.85	79	99075	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.44%
47) 2-Hexanone-d5	8.31	63	202620	80.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	296169	44.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	196253	44.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	230959	43.091	ug/L 100
3) Chloromethane	1.33	50	262363	43.768	ug/L 100
5) Vinyl chloride	1.40	62	253215	44.546	ug/L 99
6) Bromomethane	1.61	94	121641	46.648	ug/L 100
8) Chloroethane	1.69	64	138851	43.268	ug/L 99
9) Trichlorofluoromethane	1.88	101	285396	46.041	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	163767	46.192	ug/L 98
12) 1,1-Dichloroethene	2.28	96	151031	43.455	ug/L 96
13) Acetone	2.32	43	365962	98.466	ug/L 99
14) Carbon disulfide	2.47	76	477756	41.574	ug/L 100
15) Methyl Acetate	2.61	43	251923	44.268	ug/L # 100
16) Methylene chloride	2.70	84	185920	45.377	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	158657	43.511	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	544515	45.157	ug/L 100
19) 1,1-Dichloroethane	3.44	63	341607	45.664	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	178420	43.630	ug/L 93
22) 2-Butanone	4.26	43	420594	93.625	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	84687	44.555	ug/L	94
25) Chloroform	4.67	83	326976	45.971	ug/L	99
27) 1,2-Dichloroethane	5.40	62	262327	47.001	ug/L	99
29) Cyclohexane	4.99	56	315175	43.852	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	264005	45.398	ug/L	100
31) Carbon tetrachloride	5.13	117	224301	45.506	ug/L	97
33) Benzene	5.39	78	720128	44.543	ug/L	100
34) Trichloroethene	6.18	95	175665	44.199	ug/L	98
35) Methylcyclohexane	6.41	83	287685	43.988	ug/L	100
37) 1,2-Dichloropropane	6.43	63	201424	43.902	ug/L	99
38) Bromodichloromethane	6.75	83	249405	45.750	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	304604	46.190	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	693790	90.026	ug/L	99
42) Toluene	7.63	91	745036	44.404	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	269728	46.484	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	173071	44.645	ug/L	99
46) Tetrachloroethene	8.22	164	125640	45.260	ug/L	97
48) 2-Hexanone	8.36	43	566088	89.625	ug/L	100
49) Dibromochloromethane	8.47	129	185058	45.942	ug/L	97
50) 1,2-Dibromoethane	8.58	107	187021	44.952	ug/L	99
51) Chlorobenzene	9.12	112	447579	44.014	ug/L	99
52) Ethylbenzene	9.25	91	823919	45.330	ug/L	99
53) m,p-Xylene	9.37	106	299828	45.686	ug/L	96
54) o-xylene	9.77	106	293863	45.890	ug/L	97
55) Styrene	9.79	104	510916	46.317	ug/L	99
56) Isopropylbenzene	10.16	105	773173	45.599	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	316520	44.301	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	247208	44.267	ug/L	98
61) Bromoform	9.95	173	138126	47.432	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	325903	45.500	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	329622	44.701	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	331596	45.784	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	71921	44.597	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	244799	45.653	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	205015	44.003	ug/L	99
69) Naphthalene	13.74	128	689593	41.625	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	215700	43.843	ug/L	99

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

