

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051119\
 Data File : VU031917.D
 Acq On : 11 May 2019 09:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: May 13 01:50:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 11 02:45:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1083992	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1109497	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	495620	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	396739	43.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.46%
7) Chloroethane-d5	1.67	69	335748	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.78%
11) 1,1-Dichloroethene-d2	2.27	63	771158	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.36%
21) 2-Butanone-d5	4.17	46	661734	80.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.50%
24) Chloroform-d	4.64	84	740983	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.30	65	466814	43.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.00%
32) Benzene-d6	5.33	84	1476036	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.64%
36) 1,2-Dichloropropane-d6	6.32	67	496565	41.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.86%
41) Toluene-d8	7.56	98	1332854	44.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.84%
43) trans-1,3-Dichloropropene-	7.85	79	220147	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.58%
47) 2-Hexanone-d5	8.31	63	459031	88.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	754585	46.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.82%
64) 1,2-Dichlorobenzene-d4	11.85	152	483280	46.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	541538	45.431	ug/L	99
3) Chloromethane	1.32	50	571373	39.618	ug/L	99
5) Vinyl chloride	1.40	62	599471	44.459	ug/L	100
6) Bromomethane	1.61	94	337672	47.488	ug/L	97
8) Chloroethane	1.68	64	354609	48.112	ug/L	97
9) Trichlorofluoromethane	1.88	101	673361	43.808	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	403814	46.474	ug/L	99
12) 1,1-Dichloroethene	2.28	96	392938	46.461	ug/L	89
13) Acetone	2.32	43	824454	89.043	ug/L	98
14) Carbon disulfide	2.47	76	1245612	44.383	ug/L	100
15) Methyl Acetate	2.61	43	513511	36.653	ug/L #	90
16) Methylene chloride	2.69	84	472415	47.332	ug/L	90
17) trans-1,2-Dichloroethene	2.98	96	408361	46.339	ug/L	92
18) Methyl tert-butyl Ether	2.99	73	1269899	45.230	ug/L	98
19) 1,1-Dichloroethane	3.44	63	815715	43.952	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	453437	47.967	ug/L	93
22) 2-Butanone	4.25	43	912338	88.938	ug/L	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.54	128	216183	47.063	ug/L	86
25) Chloroform	4.67	83	798720	45.005	ug/L	99
27) 1,2-Dichloroethane	5.40	62	626971	43.493	ug/L	99
29) Cyclohexane	4.99	56	736027	41.916	ug/L	91
30) 1,1,1-Trichloroethane	4.91	97	627897	40.392	ug/L	99
31) Carbon tetrachloride	5.13	117	526081	39.594	ug/L	100
33) Benzene	5.38	78	1842400	45.166	ug/L	100
34) Trichloroethene	6.18	95	450386	45.549	ug/L	99
35) Methylcyclohexane	6.41	83	737546	49.770	ug/L	94
37) 1,2-Dichloropropane	6.43	63	487865	42.128	ug/L	99
38) Bromodichloromethane	6.75	83	595355	42.401	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	709686	46.378	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	1391482	78.099	ug/L	95
42) Toluene	7.63	91	1962278	48.292	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	623687	44.938	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	444767	46.588	ug/L	99
46) Tetrachloroethene	8.22	164	310559	46.070	ug/L	96
48) 2-Hexanone	8.36	43	1235049	85.707	ug/L #	94
49) Dibromochloromethane	8.47	129	437842	44.078	ug/L	100
50) 1,2-Dibromoethane	8.58	107	463585	45.978	ug/L	99
51) Chlorobenzene	9.12	112	1152352	47.990	ug/L	98
52) Ethylbenzene	9.24	91	2084386	49.452	ug/L	98
53) m,p-Xylene	9.37	106	783302	53.338	ug/L	91
54) o-xylene	9.77	106	770506	52.922	ug/L	93
55) Styrene	9.79	104	1342584	53.975	ug/L	96
56) Isopropylbenzene	10.16	105	1935467	50.554	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	809542	47.787	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	630063	45.889	ug/L	100
61) Bromoform	9.95	173	316684	43.105	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	818008	49.860	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	861604	50.711	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	872450	50.037	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	163796	40.476	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	603828	49.141	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	488727	50.240	ug/L	98
69) Naphthalene	13.74	128	1678454	50.606	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	526489	47.538	ug/L	100

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

