

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050719\
 Data File : VU031811.D
 Acq On : 07 May 2019 17:48
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: May 08 06:52:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 06:47:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	651046	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	634088	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	265184	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	253578	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.08%
7) Chloroethane-d5	1.68	69	184675	43.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.72%
11) 1,1-Dichloroethene-d2	2.27	63	522983	48.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.40%
21) 2-Butanone-d5	4.18	46	544926	110.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.38%
24) Chloroform-d	4.64	84	486251	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.31	65	337131	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.42%
32) Benzene-d6	5.33	84	927874	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
36) 1,2-Dichloropropane-d6	6.32	67	328819	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.00%
41) Toluene-d8	7.56	98	792201	46.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.42%
43) trans-1,3-Dichloropropene-	7.85	79	142378	48.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.84%
47) 2-Hexanone-d5	8.31	63	299754	101.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	427983	46.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	250729	44.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	309614	43.247	ug/L	99
3) Chloromethane	1.32	50	354511	40.928	ug/L	99
5) Vinyl chloride	1.40	62	323727	39.975	ug/L	99
6) Bromomethane	1.63	94	149623	35.035	ug/L	98
8) Chloroethane	1.69	64	179215	40.485	ug/L	97
9) Trichlorofluoromethane	1.88	101	391895	42.451	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	220636	42.278	ug/L	97
12) 1,1-Dichloroethene	2.28	96	214192	42.168	ug/L	90
13) Acetone	2.33	43	509585	91.636	ug/L	96
14) Carbon disulfide	2.47	76	647712	38.427	ug/L	99
15) Methyl Acetate	2.62	43	444022	52.769	ug/L	96
16) Methylene chloride	2.69	84	272138	45.398	ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	229908	43.438	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	868922	51.529	ug/L	97
19) 1,1-Dichloroethane	3.44	63	558432	50.098	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	265471	46.758	ug/L	92
22) 2-Butanone	4.27	43	674262	109.440	ug/L	95

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

23) Bromochloromethane	4.54	128	122157	44.279	ug/L	88
25) Chloroform	4.67	83	516156	48.424	ug/L	99
27) 1,2-Dichloroethane	5.40	62	454410	52.485	ug/L #	95
29) Cyclohexane	4.99	56	465258	46.361	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	418008	47.050	ug/L	98
31) Carbon tetrachloride	5.13	117	340821	44.883	ug/L	98
33) Benzene	5.38	78	1093394	46.901	ug/L	100
34) Trichloroethene	6.18	95	268347	47.486	ug/L	93
35) Methylcyclohexane	6.41	83	384226	45.368	ug/L	97
37) 1,2-Dichloropropane	6.43	63	328473	49.631	ug/L	100
38) Bromodichloromethane	6.75	83	386681	48.187	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	439304	50.233	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1144128	112.362	ug/L	96
42) Toluene	7.63	91	1085411	46.739	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	391359	49.339	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	261914	48.004	ug/L	99
46) Tetrachloroethene	8.22	164	159742	41.464	ug/L	98
48) 2-Hexanone	8.36	43	928042	112.687	ug/L	97
49) Dibromochloromethane	8.47	129	261009	45.976	ug/L	100
50) 1,2-Dibromoethane	8.58	107	266529	46.253	ug/L	97
51) Chlorobenzene	9.12	112	614132	44.751	ug/L	94
52) Ethylbenzene	9.25	91	1140272	47.336	ug/L	100
53) m,p-Xylene	9.37	106	402579	47.966	ug/L	99
54) o-xylene	9.77	106	402490	48.372	ug/L	96
55) Styrene	9.79	104	693862	48.809	ug/L	96
56) Isopropylbenzene	10.16	105	1052294	48.094	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	465007	48.029	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	385193	49.089	ug/L	100
61) Bromoform	9.96	173	175580	44.666	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	406553	46.315	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	424948	46.744	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	440041	47.168	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	111880	51.672	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	286726	43.611	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	240874	46.278	ug/L	99
69) Naphthalene	13.74	128	901378	50.793	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	264859	44.696	ug/L	97

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

