

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\
 Data File : VU031380.D
 Acq On : 20 Apr 2019 00:10
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Apr 20 00:53:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 23:12:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	626340	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	576494	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	287084	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	244441	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.76%
7) Chloroethane-d5	1.68	69	203665	40.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.34%
11) 1,1-Dichloroethene-d2	2.27	63	473401	41.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.86%
21) 2-Butanone-d5	4.19	46	377542	89.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.87%
24) Chloroform-d	4.64	84	377304	39.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.40%
26) 1,2-Dichloroethane-d4	5.31	65	224722	37.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.84%
32) Benzene-d6	5.34	84	790601	43.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.76%
36) 1,2-Dichloropropane-d6	6.32	67	258936	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.56%
41) Toluene-d8	7.56	98	710133	44.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.56%
43) trans-1,3-Dichloropropene-	7.85	79	116970	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.74%
47) 2-Hexanone-d5	8.31	63	296730	106.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	373959	45.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	285075	43.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	220700	38.176	ug/L	96
3) Chloromethane	1.32	50	322712	46.863	ug/L	98
5) Vinyl chloride	1.40	62	342444	49.963	ug/L	95
6) Bromomethane	1.63	94	201946	44.844	ug/L	100
8) Chloroethane	1.70	64	194861	44.220	ug/L	99
9) Trichlorofluoromethane	1.88	101	418253	43.834	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	232718	46.627	ug/L	96
12) 1,1-Dichloroethene	2.28	96	244970	50.042	ug/L	87
13) Acetone	2.34	43	294778	91.178	ug/L	97
14) Carbon disulfide	2.47	76	713126	53.774	ug/L	100
15) Methyl Acetate	2.62	43	338492	60.178	ug/L	99
16) Methylene chloride	2.70	84	265995	55.684	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	251411	56.366	ug/L	94
18) Methyl tert-butyl Ether	2.99	73	819752	58.367	ug/L	98
19) 1,1-Dichloroethane	3.44	63	475459	53.629	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	233019	44.891	ug/L	84
22) 2-Butanone	4.27	43	378653	85.463	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	117390	45.649	ug/L	88
25) Chloroform	4.67	83	379645	41.750	ug/L	96
27) 1,2-Dichloroethane	5.40	62	282519	40.848	ug/L	98
29) Cyclohexane	4.99	56	371417	45.805	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	322692	42.302	ug/L	98
31) Carbon tetrachloride	5.13	117	281158	42.600	ug/L	100
33) Benzene	5.39	78	884097	45.595	ug/L	100
34) Trichloroethene	6.18	95	224925	46.361	ug/L	91
35) Methylcyclohexane	6.41	83	333617	46.189	ug/L	96
37) 1,2-Dichloropropane	6.43	63	233908	45.551	ug/L	100
38) Bromodichloromethane	6.75	83	282604	43.299	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	354378	46.052	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	698263	96.381	ug/L #	94
42) Toluene	7.63	91	951983	49.357	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	302004	45.200	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	217432	47.046	ug/L	99
46) Tetrachloroethene	8.22	164	176927	48.486	ug/L	96
48) 2-Hexanone	8.36	43	539009	93.544	ug/L	95
49) Dibromochloromethane	8.47	129	236216	47.286	ug/L	99
50) 1,2-Dibromoethane	8.58	107	236159	48.366	ug/L	98
51) Chlorobenzene	9.12	112	575135	47.711	ug/L	97
52) Ethylbenzene	9.25	91	996117	47.441	ug/L	97
53) m,p-Xylene	9.37	106	385022	51.961	ug/L	94
54) o-xylene	9.77	106	376628	50.192	ug/L	95
55) Styrene	9.79	104	642672	50.738	ug/L	96
56) Isopropylbenzene	10.16	105	970374	50.454	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	367797	46.215	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	285629	46.766	ug/L	99
61) Bromoform	9.95	173	179957	45.279	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	453036	47.750	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	455979	47.934	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	463424	46.438	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	83497	43.852	ug/L	83
67) 1,3,5-Trichlorobenzene	12.88	180	340338	47.932	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	313237	54.439	ug/L	97
69) Naphthalene	13.74	128	1210774	67.063	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	333877	53.430	ug/L	97

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

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