

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050719\
 Data File : VU031793.D
 Acq On : 07 May 2019 10:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: May 08 06:45:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 07 08:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	690425	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	681083	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	290390	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	290258	50.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.46%
7) Chloroethane-d5	1.68	69	215566	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.56%
11) 1,1-Dichloroethene-d2	2.27	63	582192	50.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.18%
21) 2-Butanone-d5	4.18	46	568051	108.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.50%
24) Chloroform-d	4.64	84	517263	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
26) 1,2-Dichloroethane-d4	5.31	65	356033	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.98%
32) Benzene-d6	5.33	84	996144	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
36) 1,2-Dichloropropane-d6	6.32	67	349656	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.04%
41) Toluene-d8	7.56	98	866403	47.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.12%
43) trans-1,3-Dichloropropene-	7.85	79	152596	48.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.62%
47) 2-Hexanone-d5	8.31	63	322624	101.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	461528	46.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	279338	45.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	330680	43.555	ug/L	98
3) Chloromethane	1.32	50	391395	42.609	ug/L	99
5) Vinyl chloride	1.40	62	357711	41.652	ug/L	98
6) Bromomethane	1.63	94	170304	37.603	ug/L	97
8) Chloroethane	1.70	64	197463	42.063	ug/L	98
9) Trichlorofluoromethane	1.88	101	422671	43.173	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	245774	44.409	ug/L	96
12) 1,1-Dichloroethene	2.28	96	227805	42.290	ug/L	90
13) Acetone	2.34	43	562439	95.371	ug/L	96
14) Carbon disulfide	2.47	76	715486	40.027	ug/L	99
15) Methyl Acetate	2.62	43	450463	50.481	ug/L	99
16) Methylene chloride	2.70	84	291674	45.882	ug/L	90
17) trans-1,2-Dichloroethene	2.98	96	239941	42.748	ug/L	93
18) Methyl tert-butyl Ether	2.99	73	895457	50.074	ug/L	97
19) 1,1-Dichloroethane	3.44	63	580984	49.149	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	279928	46.492	ug/L	85
22) 2-Butanone	4.27	43	708744	108.475	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	127948	43.733	ug/L	89
25) Chloroform	4.67	83	536592	47.470	ug/L	98
27) 1,2-Dichloroethane	5.40	62	467501	50.917	ug/L	95
29) Cyclohexane	4.99	56	503127	46.676	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	440055	46.114	ug/L	97
31) Carbon tetrachloride	5.13	117	361926	44.373	ug/L	99
33) Benzene	5.38	78	1163751	46.474	ug/L	100
34) Trichloroethene	6.18	95	279266	46.008	ug/L	95
35) Methylcyclohexane	6.41	83	419834	46.152	ug/L	95
37) 1,2-Dichloropropane	6.43	63	346517	48.745	ug/L	99
38) Bromodichloromethane	6.75	83	403475	46.810	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	463369	49.329	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1178143	107.719	ug/L	96
42) Toluene	7.63	91	1176899	47.182	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	422005	49.532	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	275847	47.069	ug/L	99
46) Tetrachloroethene	8.22	164	176447	42.640	ug/L	98
48) 2-Hexanone	8.36	43	969875	109.641	ug/L	96
49) Dibromochloromethane	8.47	129	276868	45.405	ug/L	100
50) 1,2-Dibromoethane	8.58	107	279826	45.210	ug/L	98
51) Chlorobenzene	9.12	112	668276	45.337	ug/L	99
52) Ethylbenzene	9.25	91	1240452	47.941	ug/L	100
53) m,p-Xylene	9.37	106	440411	48.853	ug/L	97
54) o-xylene	9.77	106	434399	48.604	ug/L	98
55) Styrene	9.79	104	752166	49.259	ug/L	95
56) Isopropylbenzene	10.16	105	1142289	48.604	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	494272	47.529	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	408360	48.450	ug/L	99
61) Bromoform	9.95	173	188631	43.821	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	448485	46.657	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	455270	45.733	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	481806	47.162	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	111048	46.836	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	327200	45.447	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	266617	46.778	ug/L	98
69) Naphthalene	13.74	128	977707	50.312	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	295104	45.478	ug/L	98

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

