

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050620\
 Data File : VU038017.D
 Acq On : 06 May 2020 10:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: May 07 01:02:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 04 14:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	631951	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	620841	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	302637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	204734	36.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.66%
7) Chloroethane-d5	1.93	69	185876	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.22%
11) 1,1-Dichloroethene-d2	2.59	63	363605	39.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.98%
21) 2-Butanone-d5	4.66	46	397069	91.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.40%
24) Chloroform-d	5.10	84	378055	43.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.84%
26) 1,2-Dichloroethane-d4	5.74	65	256337	42.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.74%
32) Benzene-d6	5.76	84	768095	41.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.94%
36) 1,2-Dichloropropane-d6	6.72	67	265617	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.56%
41) Toluene-d8	7.92	98	697848	41.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.14%
43) trans-1,3-Dichloropropene-	8.20	79	123089	43.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.52%
47) 2-Hexanone-d5	8.65	63	232027	87.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.93%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	391100	44.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.46%
64) 1,2-Dichlorobenzene-d4	12.21	152	265883	42.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	217401	44.216	ug/L 99
3) Chloromethane	1.53	50	250243	40.160	ug/L 99
5) Vinyl chloride	1.62	62	266513	42.093	ug/L 99
6) Bromomethane	1.87	94	123116	40.825	ug/L 98
8) Chloroethane	1.95	64	163526	42.945	ug/L 98
9) Trichlorofluoromethane	2.16	101	292640	44.470	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	185312	45.820	ug/L 98
12) 1,1-Dichloroethene	2.60	96	177387	42.858	ug/L 98
13) Acetone	2.65	43	279123	99.748	ug/L 99
14) Carbon disulfide	2.82	76	559958	40.843	ug/L 98
15) Methyl Acetate	2.98	43	259311	42.561	ug/L 100
16) Methylene chloride	3.08	84	209361	42.913	ug/L 97
17) trans-1,2-Dichloroethene	3.38	96	189138	42.326	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	625110	42.043	ug/L 100
19) 1,1-Dichloroethane	3.91	63	383162	43.044	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	211871	42.880	ug/L 100
22) 2-Butanone	4.74	43	399314	88.168	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	101256	43.567	ug/L	97
25) Chloroform	5.12	83	366954	42.944	ug/L	99
27) 1,2-Dichloroethane	5.83	62	299720	42.418	ug/L	99
29) Cyclohexane	5.42	56	361008	44.501	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	299905	43.458	ug/L	98
31) Carbon tetrachloride	5.56	117	241782	44.382	ug/L	99
33) Benzene	5.81	78	827485	42.636	ug/L	100
34) Trichloroethene	6.57	95	200541	42.611	ug/L	99
35) Methylcyclohexane	6.79	83	360924	45.655	ug/L	98
37) 1,2-Dichloropropane	6.82	63	226694	43.688	ug/L	100
38) Bromodichloromethane	7.13	83	271152	43.038	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	348553	43.820	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	701111	83.392	ug/L	99
42) Toluene	7.99	91	877447	43.031	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	317127	42.704	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	201635	42.904	ug/L	98
46) Tetrachloroethene	8.58	164	144380	42.019	ug/L	99
48) 2-Hexanone	8.71	43	597466	86.233	ug/L	99
49) Dibromochloromethane	8.83	129	197084	43.484	ug/L	100
50) 1,2-Dibromoethane	8.95	107	206497	40.903	ug/L #	96
51) Chlorobenzene	9.47	112	545315	42.951	ug/L	100
52) Ethylbenzene	9.59	91	979361	43.328	ug/L	100
53) m,p-Xylene	9.71	106	377779	44.018	ug/L	96
54) o-xylene	10.12	106	366386	43.360	ug/L	98
55) Styrene	10.13	104	625743	43.598	ug/L	98
56) Isopropylbenzene	10.50	105	954637	43.877	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	357225	42.577	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	297454	41.343	ug/L	100
61) Bromoform	10.31	173	137070	42.358	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	415878	42.921	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	423929	43.300	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	415633	42.521	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	80149	39.283	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	295673	44.761	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	277022	43.752	ug/L	100
69) Naphthalene	14.12	128	1001625	41.233	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	277099	44.468	ug/L	99

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

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