

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060320\
 Data File : VU038511.D
 Acq On : 03 Jun 2020 12:54
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Jun 03 18:06:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 30 07:49:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	625420	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	606861	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	314483	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149657	38.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.24%
7) Chloroethane-d5	1.93	69	125350	41.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.64%
11) 1,1-Dichloroethene-d2	2.59	63	335094	41.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.52%
21) 2-Butanone-d5	4.67	46	346620	92.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.92%
24) Chloroform-d	5.10	84	358396	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
26) 1,2-Dichloroethane-d4	5.74	65	233756	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.48%
32) Benzene-d6	5.76	84	694672	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
36) 1,2-Dichloropropane-d6	6.72	67	216836	44.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.72%
41) Toluene-d8	7.92	98	617989	44.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.68%
43) trans-1,3-Dichloropropene-	8.20	79	108749	44.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.38%
47) 2-Hexanone-d5	8.66	63	246822	95.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.91%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	331560	45.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.66%
64) 1,2-Dichlorobenzene-d4	12.21	152	254664	43.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.38%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	216875	46.069	ug/L	99
3) Chloromethane	1.53	50	212985	49.089	ug/L	98
5) Vinyl chloride	1.62	62	220032	45.906	ug/L	99
6) Bromomethane	1.87	94	119534	60.959	ug/L	99
8) Chloroethane	1.95	64	134274	45.846	ug/L	96
9) Trichlorofluoromethane	2.16	101	315074	49.049	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	187474	48.811	ug/L	99
12) 1,1-Dichloroethene	2.61	96	181511	47.868	ug/L	93
13) Acetone	2.66	43	254143	81.995	ug/L	98
14) Carbon disulfide	2.82	76	564129	45.617	ug/L	99
15) Methyl Acetate	2.98	43	259569	46.719	ug/L	98
16) Methylene chloride	3.08	84	214768	49.291	ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	194893	47.849	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	633518	48.505	ug/L	100
19) 1,1-Dichloroethane	3.91	63	370541	48.039	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	217673	48.785	ug/L	98
22) 2-Butanone	4.75	43	391078	89.995	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	108408	49.077	ug/L	96
25) Chloroform	5.13	83	374239	47.180	ug/L	99
27) 1,2-Dichloroethane	5.83	62	312969	48.729	ug/L	99
29) Cyclohexane	5.42	56	316946	45.551	ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	328234	49.740	ug/L	99
31) Carbon tetrachloride	5.56	117	272041	49.464	ug/L	100
33) Benzene	5.81	78	833282	48.889	ug/L	100
34) Trichloroethene	6.57	95	210634	48.301	ug/L	99
35) Methylcyclohexane	6.79	83	319992	46.737	ug/L	99
37) 1,2-Dichloropropane	6.82	63	215140	48.670	ug/L	100
38) Bromodichloromethane	7.13	83	280294	49.481	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	342089	48.634	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	664702	94.553	ug/L	98
42) Toluene	8.00	91	868863	48.556	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	325375	49.417	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	207291	49.417	ug/L	99
46) Tetrachloroethene	8.58	164	154067	48.325	ug/L	99
48) 2-Hexanone	8.71	43	555041	93.512	ug/L	99
49) Dibromochloromethane	8.83	129	218164	51.366	ug/L	99
50) 1,2-Dibromoethane	8.95	107	223392	49.546	ug/L	97
51) Chlorobenzene	9.47	112	553139	48.098	ug/L	100
52) Ethylbenzene	9.59	91	969321	48.346	ug/L	99
53) m,p-Xylene	9.72	106	380847	49.671	ug/L	97
54) o-xylene	10.12	106	364548	48.903	ug/L	99
55) Styrene	10.13	104	641649	50.081	ug/L	99
56) Isopropylbenzene	10.50	105	947938	48.660	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	349050	48.625	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	300773	48.658	ug/L	100
61) Bromoform	10.31	173	156310	49.474	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	437637	47.602	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	442508	47.353	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	439379	48.194	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	91098	48.809	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	318716	48.712	ug/L	100
68) 1,2,4-trichlorobenzene	13.88	180	299760	47.768	ug/L	99
69) Naphthalene	14.13	128	1088321	48.437	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	308506	49.212	ug/L	99

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

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