

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031220\
 Data File : VU037237.D
 Acq On : 13 Mar 2020 12:26
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Mar 13 23:08:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 23:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	409205	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	413529	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	211314	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131745	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.20%
7) Chloroethane-d5	1.93	69	115836	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.74%
11) 1,1-Dichloroethene-d2	2.59	63	260117	44.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.54%
21) 2-Butanone-d5	4.67	46	262156	104.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.60%
24) Chloroform-d	5.11	84	301028	49.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	5.74	65	216034	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
32) Benzene-d6	5.76	84	529047	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
36) 1,2-Dichloropropane-d6	6.72	67	172686	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.68%
41) Toluene-d8	7.93	98	511674	47.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.04%
43) trans-1,3-Dichloropropene-	8.20	79	96634	47.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.28%
47) 2-Hexanone-d5	8.66	63	199586	103.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.45%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	276621	47.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.84%
64) 1,2-Dichlorobenzene-d4	12.21	152	213161	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	198326	47.426	ug/L 98
3) Chloromethane	1.54	50	175257	51.244	ug/L 99
5) Vinyl chloride	1.62	62	180855	48.255	ug/L 100
6) Bromomethane	1.87	94	80127	55.695	ug/L 99
8) Chloroethane	1.95	64	105737	48.156	ug/L 100
9) Trichlorofluoromethane	2.16	101	281679	49.223	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	132607	49.618	ug/L 99
12) 1,1-Dichloroethene	2.60	96	118813	49.199	ug/L 87
13) Acetone	2.66	43	191490	80.529	ug/L 100
14) Carbon disulfide	2.82	76	322729	47.136	ug/L 100
15) Methyl Acetate	2.98	43	185645	49.637	ug/L 98
16) Methylene chloride	3.08	84	147288	48.863	ug/L 94
17) trans-1,2-Dichloroethene	3.39	96	126964	50.181	ug/L 92
18) Methyl tert-butyl Ether	3.40	73	487378	49.881	ug/L 100
19) 1,1-Dichloroethane	3.91	63	277863	49.080	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	152603	49.865	ug/L 94
22) 2-Butanone	4.75	43	285589	94.958	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	76203	49.377	uq/L	96
25) Chloroform	5.13	83	298133	48.699	uq/L	98
27) 1,2-Dichloroethane	5.83	62	262610	48.143	uq/L	100
29) Cyclohexane	5.43	56	228011	46.640	uq/L	98
30) 1,1,1-Trichloroethane	5.36	97	265279	48.330	uq/L	99
31) Carbon tetrachloride	5.56	117	235990	48.660	uq/L	100
33) Benzene	5.81	78	585125	48.005	uq/L	100
34) Trichloroethene	6.57	95	152755	48.228	uq/L	98
35) Methylcyclohexane	6.79	83	228744	47.702	uq/L	98
37) 1,2-Dichloropropane	6.82	63	164359	47.438	uq/L	100
38) Bromodichloromethane	7.13	83	228210	47.114	uq/L	99
39) cis-1,3-Dichloropropene	7.64	75	254820	47.434	uq/L	98
40) 4-Methyl-2-pentanone	7.82	43	550454	97.598	uq/L	98
42) Toluene	8.00	91	648091	48.690	uq/L	99
44) trans-1,3-Dichloropropene	8.23	75	248415	48.975	uq/L	99
45) 1,1,2-Trichloroethane	8.43	97	152581	48.366	uq/L	98
46) Tetrachloroethene	8.57	164	118197	50.230	uq/L	98
48) 2-Hexanone	8.71	43	431163	97.007	uq/L	98
49) Dibromochloromethane	8.83	129	183894	49.548	uq/L	99
50) 1,2-Dibromoethane	8.95	107	166876	49.017	uq/L	96
51) Chlorobenzene	9.47	112	403283	48.177	uq/L	100
52) Ethylbenzene	9.59	91	733952	47.621	uq/L	98
53) m,p-Xylene	9.71	106	269752	49.484	uq/L	97
54) o-xylene	10.12	106	265222	49.245	uq/L	94
55) Styrene	10.13	104	457476	50.088	uq/L	97
56) Isopropylbenzene	10.50	105	722961	48.295	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	278091	48.293	uq/L	100
59) 1,2,3-Trichloropropane	10.84	75	233154	48.410	uq/L	97
61) Bromoform	10.31	173	140554	47.622	uq/L	99
62) 1,3-Dichlorobenzene	11.76	146	324185	48.402	uq/L	97
63) 1,4-Dichlorobenzene	11.85	146	329463	48.669	uq/L	100
65) 1,2-Dichlorobenzene	12.23	146	334183	48.851	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	74003	49.068	uq/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	236032	48.356	uq/L	99
68) 1,2,4-trichlorobenzene	13.87	180	191254	50.178	uq/L	98
69) Naphthalene	14.11	128	280240	48.481	uq/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	197036	49.261	uq/L	99

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

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