

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042820\
 Data File : VU037884.D
 Acq On : 28 Apr 2020 15:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 04:03:24 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 27 13:45:14 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	647384	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	641262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	304174	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	224640	39.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.42%
7) Chloroethane-d5	1.93	69	198673	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.64%
11) 1,1-Dichloroethene-d2	2.59	63	406780	44.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.86%
21) 2-Butanone-d5	4.66	46	409552	91.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.38%
24) Chloroform-d	5.10	84	426434	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.98%
26) 1,2-Dichloroethane-d4	5.74	65	286217	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.76	84	858866	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
36) 1,2-Dichloropropane-d6	6.72	67	287722	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.88%
41) Toluene-d8	7.92	98	794203	47.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.30%
43) trans-1,3-Dichloropropene-	8.20	79	136307	43.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.32%
47) 2-Hexanone-d5	8.65	63	345861	104.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.75%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	417987	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	12.21	152	295883	49.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	210804	39.469	ug/L 100
3) Chloromethane	1.53	50	304482	52.306	ug/L 99
5) Vinyl chloride	1.62	62	308422	48.020	ug/L 99
6) Bromomethane	1.87	94	157775	59.367	ug/L 97
8) Chloroethane	1.95	64	190068	52.670	ug/L 98
9) Trichlorofluoromethane	2.16	101	305918	44.798	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	175435	44.084	ug/L 97
12) 1,1-Dichloroethene	2.60	96	203102	51.675	ug/L 86
13) Acetone	2.65	43	277858	103.910	ug/L 100
14) Carbon disulfide	2.82	76	647642	46.075	ug/L 99
15) Methyl Acetate	2.98	43	313074	48.440	ug/L 96
16) Methylene chloride	3.08	84	254715	54.540	ug/L 95
17) trans-1,2-Dichloroethene	3.38	96	221939	50.503	ug/L 95
18) Methyl tert-butyl Ether	3.40	73	805839	53.234	ug/L 99
19) 1,1-Dichloroethane	3.91	63	457130	51.604	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	260150	54.067	ug/L 94
22) 2-Butanone	4.74	43	454124	96.986	ug/L 96

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 Quant Title : VOC Analysis
 QLast Update : Mon Apr 27 13:45:14 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	121018	52.050	uq/L	97
25) Chloroform	5.13	83	432230	52.146	uq/L	99
27) 1,2-Dichloroethane	5.83	62	366532	51.631	uq/L	99
29) Cyclohexane	5.42	56	367978	41.018	uq/L	96
30) 1,1,1-Trichloroethane	5.35	97	357079	49.861	uq/L	99
31) Carbon tetrachloride	5.56	117	277999	48.019	uq/L	99
33) Benzene	5.81	78	991461	50.940	uq/L	100
34) Trichloroethene	6.57	95	238292	49.912	uq/L	98
35) Methylcyclohexane	6.79	83	339712	40.636	uq/L	96
37) 1,2-Dichloropropane	6.82	63	272571	51.274	uq/L	99
38) Bromodichloromethane	7.13	83	331282	51.580	uq/L	97
39) cis-1,3-Dichloropropene	7.63	75	405449	47.637	uq/L	98
40) 4-Methyl-2-pentanone	7.82	43	883002	95.512	uq/L	96
42) Toluene	7.99	91	1053872	51.644	uq/L	99
44) trans-1,3-Dichloropropene	8.23	75	392609	47.788	uq/L	98
45) 1,1,2-Trichloroethane	8.42	97	249069	53.709	uq/L	99
46) Tetrachloroethene	8.57	164	162644	46.609	uq/L	99
48) 2-Hexanone	8.71	43	690652	94.485	uq/L	96
49) Dibromochloromethane	8.83	129	243672	50.321	uq/L	99
50) 1,2-Dibromoethane	8.95	107	263664	52.487	uq/L	99
51) Chlorobenzene	9.47	112	651906	51.359	uq/L	99
52) Ethylbenzene	9.59	91	1175259	51.428	uq/L	99
53) m,p-Xylene	9.71	106	446313	51.872	uq/L	99
54) o-xylene	10.12	106	446450	53.055	uq/L	97
55) Styrene	10.13	104	767171	53.013	uq/L	99
56) Isopropylbenzene	10.50	105	1138993	51.144	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	439591	53.299	uq/L	98
59) 1,2,3-Trichloropropane	10.84	75	368949	51.666	uq/L	100
61) Bromoform	10.31	173	167507	48.933	uq/L	99
62) 1,3-Dichlorobenzene	11.76	146	499468	52.445	uq/L	99
63) 1,4-Dichlorobenzene	11.85	146	503314	52.361	uq/L	98
65) 1,2-Dichlorobenzene	12.23	146	495023	53.490	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	106413	51.594	uq/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	341862	49.394	uq/L	99
68) 1,2,4-trichlorobenzene	13.87	180	331502	49.248	uq/L	99
69) Naphthalene	14.11	128	1323849	54.845	uq/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	341294	51.346	uq/L	99

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

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