

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022520\
 Data File : VU036906.D
 Acq On : 25 Feb 2020 15:00
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Feb 26 01:31:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 26 01:28:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	253672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	239706	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	107574	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106330	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.82%
7) Chloroethane-d5	1.93	69	91527	51.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.86%
11) 1,1-Dichloroethene-d2	2.59	63	181103	50.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.54%
21) 2-Butanone-d5	4.67	46	155693	108.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.96%
24) Chloroform-d	5.11	84	175698	54.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.02%
26) 1,2-Dichloroethane-d4	5.74	65	116484	52.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.82%
32) Benzene-d6	5.76	84	372200	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.38%
36) 1,2-Dichloropropane-d6	6.73	67	120360	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.18%
41) Toluene-d8	7.92	98	344051	53.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	8.20	79	55436	53.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.24%
47) 2-Hexanone-d5	8.66	63	118941	108.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.32%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	171668	54.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.44%
64) 1,2-Dichlorobenzene-d4	12.21	152	113403	53.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	117176	54.458	ug/L 99
3) Chloromethane	1.54	50	133537	53.945	ug/L 100
5) Vinyl chloride	1.62	62	136648	53.517	ug/L 99
6) Bromomethane	1.87	94	75990	58.005	ug/L 99
8) Chloroethane	1.95	64	81868	53.488	ug/L 98
9) Trichlorofluoromethane	2.16	101	147491	54.464	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	90071	55.601	ug/L 99
12) 1,1-Dichloroethene	2.60	96	86515	52.802	ug/L 96
13) Acetone	2.66	43	149716	101.861	ug/L 98
14) Carbon disulfide	2.82	76	270289	52.139	ug/L 100
15) Methyl Acetate	2.98	43	116578	52.036	ug/L 98
16) Methylene chloride	3.08	84	106382	53.232	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	93518	53.132	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	301746	52.739	ug/L 99
19) 1,1-Dichloroethane	3.91	63	181589	53.095	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	104712	53.205	ug/L 100
22) 2-Butanone	4.75	43	187309	105.681	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47947	53.795	ug/L	98
25) Chloroform	5.13	83	178534	54.102	ug/L	99
27) 1,2-Dichloroethane	5.83	62	144328	53.722	ug/L	98
29) Cyclohexane	5.43	56	171353	53.869	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	137284	53.417	ug/L	98
31) Carbon tetrachloride	5.56	117	109021	54.121	ug/L	98
33) Benzene	5.81	78	409400	54.063	ug/L	100
34) Trichloroethene	6.57	95	100269	53.872	ug/L	98
35) Methylcyclohexane	6.80	83	178207	55.223	ug/L	99
37) 1,2-Dichloropropane	6.83	63	109795	53.848	ug/L	99
38) Bromodichloromethane	7.14	83	129032	53.612	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	163109	51.931	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	317164	105.564	ug/L	100
42) Toluene	8.00	91	442507	54.848	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	145579	53.431	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	97743	53.907	ug/L	99
46) Tetrachloroethene	8.58	164	66980	54.627	ug/L	98
48) 2-Hexanone	8.71	43	261503	109.070	ug/L	99
49) Dibromochloromethane	8.84	129	91176	52.978	ug/L	98
50) 1,2-Dibromoethane	8.95	107	100811	53.168	ug/L	99
51) Chlorobenzene	9.47	112	258453	54.066	ug/L	99
52) Ethylbenzene	9.59	91	474659	54.272	ug/L	100
53) m,p-Xylene	9.72	106	176395	54.983	ug/L	98
54) o-xylene	10.12	106	174966	54.681	ug/L	99
55) Styrene	10.14	104	290215	55.483	ug/L	100
56) Isopropylbenzene	10.51	105	451641	54.955	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	173773	53.608	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	140114	53.417	ug/L	99
61) Bromoform	10.31	173	62829	51.659	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	185223	53.077	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	183529	53.231	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	185325	53.188	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35992	52.067	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	124352	56.140	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	94928	57.201	ug/L	99
69) Naphthalene	14.12	128	149834	51.146	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	95282	57.454	ug/L	97

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

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