

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040720\
 Data File : VU037605.D
 Acq On : 07 Apr 2020 14:46
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Apr 08 02:28:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 08 02:25:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	156890	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	150193	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	73296	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	62239	48.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.70%
7) Chloroethane-d5	1.93	69	50676	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.59	63	108843	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.64%
21) 2-Butanone-d5	4.66	46	104559	109.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	5.11	84	113351	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.74	65	74990	52.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.22%
32) Benzene-d6	5.76	84	222419	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.22%
36) 1,2-Dichloropropane-d6	6.73	67	77049	52.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.20%
41) Toluene-d8	7.92	98	211404	52.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.26%
43) trans-1,3-Dichloropropene-	8.20	79	41540	52.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.46%
47) 2-Hexanone-d5	8.66	63	77768	100.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.20%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	112369	53.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.32%
64) 1,2-Dichlorobenzene-d4	12.21	152	78333	52.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	52873	52.129	ug/L 99
3) Chloromethane	1.54	50	51865	48.207	ug/L 98
5) Vinyl chloride	1.62	62	56100	52.511	ug/L 97
6) Bromomethane	1.87	94	31615	60.001	ug/L 98
8) Chloroethane	1.95	64	33107	52.543	ug/L 100
9) Trichlorofluoromethane	2.16	101	82180	54.218	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	49040	56.724	ug/L 98
12) 1,1-Dichloroethene	2.60	96	46134	54.972	ug/L 89
13) Acetone	2.65	43	66046	119.309	ug/L 98
14) Carbon disulfide	2.82	76	116553	48.079	ug/L 100
15) Methyl Acetate	2.98	43	72109	57.484	ug/L 98
16) Methylene chloride	3.08	84	57278	56.267	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	47490	52.551	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	186114	58.752	ug/L 99
19) 1,1-Dichloroethane	3.91	63	97938	55.314	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	57439	55.194	ug/L 100
22) 2-Butanone	4.74	43	104740	115.923	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	29018	58.094	ug/L	98
25) Chloroform	5.13	83	101984	55.245	ug/L	95
27) 1,2-Dichloroethane	5.83	62	82030	57.577	ug/L	97
29) Cyclohexane	5.42	56	83016	52.741	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	86663	54.434	ug/L	99
31) Carbon tetrachloride	5.56	117	69849	53.306	ug/L	98
33) Benzene	5.81	78	215640	54.795	ug/L	100
34) Trichloroethene	6.57	95	54786	53.241	ug/L	98
35) Methylcyclohexane	6.79	83	84436	53.107	ug/L	97
37) 1,2-Dichloropropane	6.83	63	62322	55.581	ug/L	98
38) Bromodichloromethane	7.14	83	83454	57.225	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	98180	56.060	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	210684	115.790	ug/L	99
42) Toluene	8.00	91	230526	54.131	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	98711	57.234	ug/L	94
45) 1,1,2-Trichloroethane	8.43	97	58535	57.177	ug/L	95
46) Tetrachloroethene	8.58	164	37326	54.023	ug/L	95
48) 2-Hexanone	8.71	43	163269	115.386	ug/L	98
49) Dibromochloromethane	8.83	129	65544	57.401	ug/L	98
50) 1,2-Dibromoethane	8.95	107	64130	56.960	ug/L	99
51) Chlorobenzene	9.47	112	146492	55.458	ug/L	98
52) Ethylbenzene	9.59	91	263147	54.640	ug/L	99
53) m,p-Xylene	9.72	106	97680	54.376	ug/L	99
54) o-xylene	10.12	106	96570	55.775	ug/L	97
55) Styrene	10.13	104	171880	56.064	ug/L	99
56) Isopropylbenzene	10.50	105	259838	55.351	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	109174	59.155	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	83606	58.001	ug/L	100
61) Bromoform	10.31	173	48838	58.287	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	115773	54.703	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	116403	54.495	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	116578	55.631	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	27798	55.303	ug/L	96
67) 1,3,5-Trichlorobenzene	13.25	180	81351	55.379	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	78167	55.818	ug/L	97
69) Naphthalene	14.12	128	299367	50.458	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	77767	54.970	ug/L	99

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

