

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021120\
 Data File : VU036719.D
 Acq On : 11 Feb 2020 12:15
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Quant Time: Feb 12 02:34:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 12 02:32:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	260322	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	242624	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	101798	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63383	36.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.02%
7) Chloroethane-d5	1.93	69	65829	40.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.78%
11) 1,1-Dichloroethene-d2	2.59	63	97266	29.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.36%#
21) 2-Butanone-d5	4.68	46	139616	94.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.26%
24) Chloroform-d	5.11	84	136485	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.88%
26) 1,2-Dichloroethane-d4	5.75	65	99929	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
32) Benzene-d6	5.77	84	291981	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
36) 1,2-Dichloropropane-d6	6.73	67	100715	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.12%
41) Toluene-d8	7.93	98	262995	45.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.04%
43) trans-1,3-Dichloropropene-	8.21	79	45021	44.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.80%
47) 2-Hexanone-d5	8.67	63	121472	100.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.51%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	152841	48.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.96%
66) 1,2-Dichlorobenzene-d4	12.21	152	87487	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	3960	2.202 ug/L	99
3) Chloromethane	1.54	50	5074	2.381 ug/L	97
5) Vinyl chloride	1.62	62	5493	2.394 ug/L #	51
6) Bromomethane	1.87	94	3388	2.355 ug/L	95
8) Chloroethane	1.95	64	3734	2.564 ug/L	85
9) Trichlorofluoromethane	2.16	101	6359	2.332 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4551	2.786 ug/L	89
12) 1,1-Dichloroethene	2.61	96	4624	2.908 ug/L #	1
13) Acetone	2.66	43	9812	6.236 ug/L	99
14) Carbon disulfide	2.82	76	10858	2.285 ug/L	98
15) Methyl Acetate	2.99	43	5340	2.348 ug/L	100
16) Methylene chloride	3.08	84	5111	2.604 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	3755	2.219 ug/L	91
18) Methyl tert-butyl Ether	3.41	73	13991	2.383 ug/L	99
19) 1,1-Dichloroethane	3.92	63	7590	2.251 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	4524	2.347 ug/L	99
22) 2-Butanone	4.76	43	10523	5.635 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	5.02	128	1998	2.212	ug/L	92
25) Chloroform	5.13	83	14945	4.558	ug/L	97
27) 1,2-Dichloroethane	5.84	62	7163	2.598	ug/L	97
29) Cyclohexane	5.43	56	6964	2.234	ug/L #	89
30) 1,1,1-Trichloroethane	5.36	97	6156	2.389	ug/L	98
31) Carbon tetrachloride	5.57	117	4816	2.308	ug/L	96
33) Benzene	5.82	78	17895	2.439	ug/L	100
34) Trichloroethene	6.58	95	4333	2.388	ug/L	97
35) Methylcyclohexane	6.80	83	7540	2.359	ug/L	96
37) 1,2-Dichloropropane	6.83	63	4937	2.495	ug/L #	93
38) Bromodichloromethane	7.14	83	5459	2.270	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	7298	2.308	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	14753	4.719	ug/L	97
42) Toluene	8.00	91	19607	2.473	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	6301	2.281	ug/L	93
45) 1,1,2-Trichloroethane	8.43	97	4373	2.422	ug/L	97
46) Tetrachloroethene	8.58	164	2986	2.345	ug/L	85
48) 2-Hexanone	8.72	43	12719	4.987	ug/L	98
49) Dibromochloromethane	8.84	129	3919	2.220	ug/L	97
50) 1,2-Dibromoethane	8.95	107	4523	2.385	ug/L #	89
51) Chlorobenzene	9.47	112	11070	2.318	ug/L	100
52) Ethylbenzene	9.60	91	20061	2.302	ug/L	97
53) m,p-Xylene	9.72	106	7230	2.249	ug/L	88
54) o-xylene	10.13	106	7300	2.293	ug/L	94
55) Styrene	10.14	104	11565	2.179	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.81	83	7949	2.444	ug/L #	92
59) Bromoform	10.32	173	2541	2.259	ug/L #	88
60) 1,2,3-Trichloropropane	10.85	75	6370	2.660	ug/L	98
61) Isopropylbenzene	10.51	105	18575	2.450	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	15127	2.328	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	14561	2.244	ug/L	94
64) 1,3-Dichlorobenzene	11.77	146	7498	2.352	ug/L	97
65) 1,4-Dichlorobenzene	11.86	146	7541	2.350	ug/L	98
67) 1,2-Dichlorobenzene	12.23	146	7932	2.458	ug/L #	94
68) 1,2-Dibromo-3-chloropropan	13.02	75	1510	2.207	ug/L	92
69) 1,3,5-Trichlorobenzene	13.23	180	4413	1.996	ug/L	98
70) 1,2,4-trichlorobenzene	13.86	180	2815	1.527	ug/L	96
71) Naphthalene	14.10	128	8293	1.276	ug/L	98
72) 1,2,3-Trichlorobenzene	14.35	180	2800	1.525	ug/L	96

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

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