

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036711.D
 Acq On : 10 Feb 2020 15:55
 Operator : JC/MD
 Sample : MDL06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Quant Time: Feb 11 03:35:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 03:31:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258230	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	241180	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	101835	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	66861	38.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.64%
7) Chloroethane-d5	1.93	69	68840	43.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.22%
11) 1,1-Dichloroethene-d2	2.59	63	100833	31.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.02%
21) 2-Butanone-d5	4.68	46	141128	96.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.05%
24) Chloroform-d	5.11	84	137911	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
26) 1,2-Dichloroethane-d4	5.75	65	100893	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
32) Benzene-d6	5.77	84	295034	46.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.06%
36) 1,2-Dichloropropane-d6	6.73	67	100108	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.12%
41) Toluene-d8	7.93	98	269745	46.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.92%
43) trans-1,3-Dichloropropene-	8.21	79	45398	45.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.08%
47) 2-Hexanone-d5	8.67	63	117294	97.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.64%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	150404	48.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.98%
66) 1,2-Dichlorobenzene-d4	12.22	152	90911	49.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	4017	2.252 ug/L	94
3) Chloromethane	1.54	50	5221	2.469 ug/L	99
5) Vinyl chloride	1.62	62	5730	2.517 ug/L #	57
6) Bromomethane	1.87	94	3287	2.303 ug/L	98
8) Chloroethane	1.95	64	4179	2.892 ug/L	92
9) Trichlorofluoromethane	2.16	101	6575	2.431 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4459	2.752 ug/L #	89
12) 1,1-Dichloroethene	2.61	96	4334	2.748 ug/L #	1
13) Acetone	2.66	43	9646	6.180 ug/L	97
14) Carbon disulfide	2.82	76	10970	2.327 ug/L	95
15) Methyl Acetate	2.99	43	5204	2.306 ug/L	99
16) Methylene chloride	3.08	84	5960	3.061 ug/L	85
17) trans-1,2-Dichloroethene	3.39	96	4066	2.423 ug/L	87
18) Methyl tert-butyl Ether	3.41	73	13497	2.317 ug/L	99
19) 1,1-Dichloroethane	3.92	63	8180	2.446 ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	4974	2.601 ug/L	94
22) 2-Butanone	4.76	43	8367	4.517 ug/L #	74

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

23) Bromochloromethane	5.02	128	1978	2.207	ug/L	91
25) Chloroform	5.14	83	14258	4.384	ug/L	93
27) 1,2-Dichloroethane	5.84	62	6726	2.459	ug/L #	94
29) Cyclohexane	5.44	56	6800	2.195	ug/L	95
30) 1,1,1-Trichloroethane	5.36	97	5853	2.285	ug/L	96
31) Carbon tetrachloride	5.57	117	4498	2.168	ug/L	87
33) Benzene	5.82	78	18279	2.506	ug/L	100
34) Trichloroethene	6.58	95	4484	2.486	ug/L	90
35) Methylcyclohexane	6.80	83	7099	2.235	ug/L	97
37) 1,2-Dichloropropane	6.83	63	4732	2.406	ug/L #	96
38) Bromodichloromethane	7.14	83	5587	2.337	ug/L #	92
39) cis-1,3-Dichloropropene	7.64	75	7199	2.290	ug/L	95
40) 4-Methyl-2-pentanone	7.83	43	13888	4.469	ug/L	98
42) Toluene	8.00	91	19190	2.435	ug/L	95
44) trans-1,3-Dichloropropene	8.25	75	6712	2.445	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	4320	2.407	ug/L	98
46) Tetrachloroethene	8.58	164	3311	2.616	ug/L	95
48) 2-Hexanone	8.72	43	13364	5.271	ug/L	97
49) Dibromochloromethane	8.84	129	3991	2.274	ug/L	95
50) 1,2-Dibromoethane	8.95	107	4203	2.229	ug/L #	97
51) Chlorobenzene	9.47	112	11417	2.405	ug/L	98
52) Ethylbenzene	9.60	91	20081	2.318	ug/L	98
53) m,p-Xylene	9.72	106	7570	2.369	ug/L	88
54) o-xylene	10.12	106	7068	2.233	ug/L	97
55) Styrene	10.14	104	11216	2.126	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.81	83	8148	2.520	ug/L	92
59) Bromoform	10.32	173	2557	2.273	ug/L #	91
60) 1,2,3-Trichloropropane	10.85	75	6193	2.585	ug/L	97
61) Isopropylbenzene	10.51	105	18806	2.480	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	15285	2.351	ug/L	98
63) 1,2,4-Trimethylbenzene	11.49	105	14781	2.277	ug/L	97
64) 1,3-Dichlorobenzene	11.77	146	7873	2.469	ug/L	95
65) 1,4-Dichlorobenzene	11.86	146	7596	2.366	ug/L	97
67) 1,2-Dichlorobenzene	12.24	146	8533	2.643	ug/L	97
68) 1,2-Dibromo-3-chloropropan	13.02	75	1472	2.150	ug/L	95
69) 1,3,5-Trichlorobenzene	13.24	180	4673	2.113	ug/L	97
70) 1,2,4-trichlorobenzene	13.86	180	2740	1.486	ug/L	93
71) Naphthalene	14.10	128	9100	1.400	ug/L	99
72) 1,2,3-Trichlorobenzene	14.35	180	3114	1.695	ug/L	98

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

