

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020720\
 Data File : VU036697.D
 Acq On : 07 Feb 2020 12:50
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Quant Time: Feb 07 22:39:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 22:36:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	259106	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	240942	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	104256	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	78508	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.86%
7) Chloroethane-d5	1.93	69	74563	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.08%
11) 1,1-Dichloroethene-d2	2.59	63	112299	34.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.84%
21) 2-Butanone-d5	4.68	46	160149	108.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.63%
24) Chloroform-d	5.11	84	147990	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
26) 1,2-Dichloroethane-d4	5.75	65	104314	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
32) Benzene-d6	5.77	84	309336	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.66%
36) 1,2-Dichloropropane-d6	6.73	67	104971	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.84%
41) Toluene-d8	7.93	98	279941	48.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.52%
43) trans-1,3-Dichloropropene-	8.21	79	47952	47.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.26%
47) 2-Hexanone-d5	8.67	63	125978	104.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.97%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	151108	48.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.52%
66) 1,2-Dichlorobenzene-d4	12.21	152	97308	51.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	4420	2.469 ug/L	96
3) Chloromethane	1.54	50	5230	2.465 ug/L	99
5) Vinyl chloride	1.62	62	5773	2.527 ug/L #	73
6) Bromomethane	1.87	94	3377	2.358 ug/L	84
8) Chloroethane	1.95	64	3958	2.730 ug/L	85
9) Trichlorofluoromethane	2.16	101	6324	2.330 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4875	2.999 ug/L #	85
12) 1,1-Dichloroethene	2.60	96	4783	3.022 ug/L #	1
13) Acetone	2.66	43	10121	6.463 ug/L	97
14) Carbon disulfide	2.82	76	11358	2.401 ug/L	100
15) Methyl Acetate	2.99	43	5642	2.492 ug/L	99
16) Methylene chloride	3.08	84	5631	2.882 ug/L	89
17) trans-1,2-Dichloroethene	3.39	96	4024	2.389 ug/L	90
18) Methyl tert-butyl Ether	3.41	73	14423	2.468 ug/L	98
19) 1,1-Dichloroethane	3.92	63	8185	2.439 ug/L	97
20) cis-1,2-Dichloroethene	4.72	96	4705	2.452 ug/L	96
22) 2-Butanone	4.77	43	10497	5.647 ug/L	96

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

23) Bromochloromethane	5.02	128	2052	2.282	ug/L	84
25) Chloroform	5.13	83	9670	2.963	ug/L	97
27) 1,2-Dichloroethane	5.84	62	6863	2.501	ug/L	96
29) Cyclohexane	5.43	56	7465	2.412	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	6332	2.474	ug/L	99
31) Carbon tetrachloride	5.57	117	5038	2.431	ug/L	95
33) Benzene	5.82	78	18749	2.573	ug/L	100
34) Trichloroethene	6.58	95	4525	2.511	ug/L	92
35) Methylcyclohexane	6.80	83	7250	2.284	ug/L	96
37) 1,2-Dichloropropane	6.83	63	4881	2.484	ug/L #	88
38) Bromodichloromethane	7.14	83	5745	2.406	ug/L	93
39) cis-1,3-Dichloropropene	7.64	75	7694	2.450	ug/L	91
40) 4-Methyl-2-pentanone	7.83	43	15527	5.001	ug/L	99
42) Toluene	8.00	91	19381	2.461	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	6785	2.474	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	4238	2.364	ug/L	98
46) Tetrachloroethene	8.59	164	3524	2.787	ug/L	95
48) 2-Hexanone	8.72	43	14407	5.688	ug/L	99
49) Dibromochloromethane	8.84	129	4303	2.454	ug/L	94
50) 1,2-Dibromoethane	8.95	107	4106	2.180	ug/L #	92
51) Chlorobenzene	9.47	112	12059	2.543	ug/L	98
52) Ethylbenzene	9.60	91	20446	2.363	ug/L	99
53) m,p-Xylene	9.72	106	7483	2.344	ug/L	100
54) o-xylene	10.12	106	7072	2.236	ug/L	92
55) Styrene	10.14	104	11349	2.154	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.81	83	8051	2.492	ug/L #	96
59) Bromoform	10.32	173	2509	2.178	ug/L #	94
60) 1,2,3-Trichloropropane	10.85	75	6387	2.604	ug/L	98
61) Isopropylbenzene	10.51	105	18300	2.357	ug/L	97
62) 1,3,5-Trimethylbenzene	11.11	105	15701	2.359	ug/L	98
63) 1,2,4-Trimethylbenzene	11.49	105	15627	2.351	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	7811	2.393	ug/L	98
65) 1,4-Dichlorobenzene	11.86	146	8704	2.648	ug/L	96
67) 1,2-Dichlorobenzene	12.23	146	8485	2.567	ug/L	96
68) 1,2-Dibromo-3-chloropropan	13.01	75	1727	2.464	ug/L	93
69) 1,3,5-Trichlorobenzene	13.24	180	5370	2.372	ug/L	96
70) 1,2,4-trichlorobenzene	13.85	180	4084	2.163	ug/L	99
71) Naphthalene	14.10	128	12927	1.943	ug/L	97
72) 1,2,3-Trichlorobenzene	14.35	180	4181	2.223	ug/L	96

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

