

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073019\
 Data File : VU033486.D
 Acq On : 30 Jul 2019 11:48
 Operator : JC/SP
 Sample : MDL05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Quant Time: Jul 31 08:48:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM072919W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	285750	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	299177	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	140091	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116905	45.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.12%
7) Chloroethane-d5	1.67	69	103655	48.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.70%
11) 1,1-Dichloroethene-d2	2.25	63	166899	35.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.34%
21) 2-Butanone-d5	4.15	46	151108	101.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.63%
24) Chloroform-d	4.62	84	188459	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
26) 1,2-Dichloroethane-d4	5.29	65	125421	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.12%
32) Benzene-d6	5.32	84	386446	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.24%
36) 1,2-Dichloropropane-d6	6.31	67	124720	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.12%
41) Toluene-d8	7.55	98	351474	46.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.10%
43) trans-1,3-Dichloropropene-	7.83	79	57186	46.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.96%
47) 2-Hexanone-d5	8.30	63	106680	103.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.09%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	182635	47.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.54%
66) 1,2-Dichlorobenzene-d4	11.85	152	136837	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	6277	2.202	ug/L	99
3) Chloromethane	1.32	50	6385	2.243	ug/L	96
5) Vinyl chloride	1.40	62	7558	2.322	ug/L #	65
6) Bromomethane	1.62	94	4845	2.130	ug/L	97
8) Chloroethane	1.69	64	4997	2.502	ug/L	96
9) Trichlorofluoromethane	1.87	101	9528	2.232	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5869	2.735	ug/L #	82
12) 1,1-Dichloroethene	2.27	96	5676	2.715	ug/L #	1
13) Acetone	2.31	43	7614	5.167	ug/L	94
14) Carbon disulfide	2.46	76	13934	2.237	ug/L	99
15) Methyl Acetate	2.60	43	5315	2.249	ug/L	100
16) Methylene chloride	2.69	84	5435	2.366	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	4743	2.284	ug/L	95
18) Methyl tert-butyl Ether	2.98	73	13156	2.147	ug/L	95
19) 1,1-Dichloroethane	3.42	63	9439	2.414	ug/L	93
20) cis-1,2-Dichloroethene	4.21	96	5037	2.198	ug/L	97
22) 2-Butanone	4.25	43	8017	4.579	ug/L	88

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

23) Bromochloromethane	4.52	128	2787	2.289	ug/L	87
25) Chloroform	4.65	83	17439	4.207	ug/L	95
27) 1,2-Dichloroethane	5.39	62	7395	2.297	ug/L	99
29) Cyclohexane	4.97	56	6375	1.940	ug/L #	90
30) 1,1,1-Trichloroethane	4.89	97	7885	2.213	ug/L	99
31) Carbon tetrachloride	5.11	117	6597	2.080	ug/L	91
33) Benzene	5.37	78	18731	2.095	ug/L	100
34) Trichloroethene	6.17	95	5186	2.226	ug/L	94
35) Methylcyclohexane	6.39	83	6824	1.926	ug/L	99
37) 1,2-Dichloropropane	6.41	63	5165	2.148	ug/L #	91
38) Bromodichloromethane	6.74	83	6724	2.124	ug/L	93
39) cis-1,3-Dichloropropene	7.25	75	7754	2.162	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	12111	3.821	ug/L	97
42) Toluene	7.62	91	21427	2.227	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	6618	2.033	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	5033	2.194	ug/L	97
46) Tetrachloroethene	8.21	164	3885	2.049	ug/L	94
48) 2-Hexanone	8.35	43	13905	5.385	ug/L #	94
49) Dibromochloromethane	8.46	129	5212	2.029	ug/L	97
50) 1,2-Dibromoethane	8.57	107	5458	2.193	ug/L #	97
51) Chlorobenzene	9.10	112	14583	2.281	ug/L	97
52) Ethylbenzene	9.23	91	20173	1.934	ug/L	93
53) m,p-Xylene	9.36	106	7698	1.962	ug/L	97
54) o-xylene	9.76	106	7007	1.822	ug/L	88
55) Styrene	9.78	104	10919	1.673	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.44	83	9298	2.280	ug/L #	96
59) Bromoform	9.95	173	3789	2.162	ug/L #	90
60) 1,2,3-Trichloropropane	10.48	75	7124	2.496	ug/L	95
61) Isopropylbenzene	10.15	105	17207	1.918	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	13337	1.834	ug/L	98
63) 1,2,4-Trimethylbenzene	11.13	105	12716	1.764	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	9635	2.107	ug/L	95
65) 1,4-Dichlorobenzene	11.49	146	10322	2.185	ug/L	98
67) 1,2-Dichlorobenzene	11.86	146	11048	2.411	ug/L	92
68) 1,2-Dibromo-3-chloropropan	12.65	75	1562	1.969	ug/L #	79
69) 1,3,5-Trichlorobenzene	12.88	180	6578	1.894	ug/L	96
70) 1,2,4-trichlorobenzene	13.50	180	4318	1.490	ug/L	95
71) Naphthalene	13.74	128	10550	1.259	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.98	180	4713	1.552	ug/L	97

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

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