

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033507.D
 Acq On : 30 Jul 2019 21:06
 Operator : JC/SP
 Sample : MDL07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Quant Time: Jul 31 08:11:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 31 08:02:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	321074	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	314249	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	157602	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	106579	45.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.30%
7) Chloroethane-d5	1.67	69	92433	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.30%
11) 1,1-Dichloroethene-d2	2.26	63	146489	34.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.16%
21) 2-Butanone-d5	4.15	46	150682	97.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.46%
24) Chloroform-d	4.62	84	182645	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	5.29	65	121100	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
32) Benzene-d6	5.32	84	381116	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
36) 1,2-Dichloropropane-d6	6.31	67	119688	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.02%
41) Toluene-d8	7.55	98	348736	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%
43) trans-1,3-Dichloropropene-	7.83	79	55341	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
47) 2-Hexanone-d5	8.30	63	111656	96.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.30%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	174027	46.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	139606	48.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	8027	2.651 ug/L	99
3) Chloromethane	1.32	50	8318	2.727 ug/L	100
5) Vinyl chloride	1.40	62	8968	2.743 ug/L #	69
6) Bromomethane	1.62	94	6323	2.192 ug/L	93
8) Chloroethane	1.69	64	4932	2.483 ug/L	89
9) Trichlorofluoromethane	1.87	101	11792	2.757 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7057	3.255 ug/L #	82
12) 1,1-Dichloroethene	2.27	96	6791	3.266 ug/L #	1
13) Acetone	2.31	43	8029	5.076 ug/L	98
14) Carbon disulfide	2.46	76	17163	2.632 ug/L	98
15) Methyl Acetate	2.61	43	6196	2.460 ug/L	96
16) Methylene chloride	2.68	84	6739	2.838 ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	5716	2.624 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	16664	2.509 ug/L	97
19) 1,1-Dichloroethane	3.43	63	11469	2.805 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	6358	2.600 ug/L	99
22) 2-Butanone	4.25	43	7872	4.168 ug/L	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	3174	2.488	ug/L	93
25) Chloroform	4.65	83	15385	3.575	ug/L	92
27) 1,2-Dichloroethane	5.39	62	9411	2.840	ug/L	100
29) Cyclohexane	4.97	56	8436	2.461	ug/L	96
30) 1,1,1-Trichloroethane	4.89	97	9377	2.593	ug/L	96
31) Carbon tetrachloride	5.11	117	8143	2.586	ug/L	99
33) Benzene	5.37	78	24990	2.757	ug/L	100
34) Trichloroethene	6.17	95	6324	2.645	ug/L	93
35) Methylcyclohexane	6.40	83	8922	2.391	ug/L	98
37) 1,2-Dichloropropane	6.41	63	6402	2.638	ug/L #	95
38) Bromodichloromethane	6.74	83	8391	2.675	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	8846	2.336	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	16408	4.897	ug/L	97
42) Toluene	7.62	91	27359	2.807	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	8735	2.552	ug/L	93
45) 1,1,2-Trichloroethane	8.05	97	6524	2.832	ug/L	92
46) Tetrachloroethene	8.21	164	4843	2.481	ug/L	93
48) 2-Hexanone	8.35	43	15267	5.637	ug/L #	95
49) Dibromochloromethane	8.46	129	6571	2.507	ug/L	93
50) 1,2-Dibromoethane	8.57	107	6856	2.687	ug/L #	98
51) Chlorobenzene	9.10	112	17046	2.671	ug/L	95
52) Ethylbenzene	9.23	91	26044	2.481	ug/L	98
53) m,p-Xylene	9.36	106	9188	2.280	ug/L	95
54) o-xylene	9.76	106	9225	2.360	ug/L	93
55) Styrene	9.78	104	13976	2.105	ug/L	92
56) Isopropylbenzene	10.15	105	23460	2.297	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	11933	2.872	ug/L	92
59) 1,2,3-Trichloropropane	10.48	75	8575	2.677	ug/L	99
61) Bromoform	9.94	173	4976	2.614	ug/L #	97
62) 1,3-Dichlorobenzene	11.40	146	12781	2.641	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	13509	2.686	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	13838	2.828	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.65	75	2186	2.418	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.88	180	9017	2.309	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	6187	1.854	ug/L	97
69) Naphthalene	13.74	128	17261	1.803	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.98	180	7461	2.126	ug/L	99

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

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