

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033505.D
 Acq On : 30 Jul 2019 20:20
 Operator : JC/SP
 Sample : MDL05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Quant Time: Jul 31 08:10:24 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	321035	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	317852	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	154617	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	103692	44.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.84%
7) Chloroethane-d5	1.67	69	89484	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.36%
11) 1,1-Dichloroethene-d2	2.26	63	142913	33.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.48%
21) 2-Butanone-d5	4.15	46	148607	96.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.13%
24) Chloroform-d	4.62	84	176286	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
26) 1,2-Dichloroethane-d4	5.29	65	116670	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
32) Benzene-d6	5.32	84	369450	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
36) 1,2-Dichloropropane-d6	6.31	67	117293	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.98%
41) Toluene-d8	7.55	98	331211	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.83	79	54520	44.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.00%
47) 2-Hexanone-d5	8.29	63	110360	94.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.11%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	172113	45.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.38%
64) 1,2-Dichlorobenzene-d4	11.85	152	133351	47.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	6901	2.279 ug/L	95
3) Chloromethane	1.32	50	7593	2.490 ug/L	96
5) Vinyl chloride	1.39	62	8325	2.547 ug/L #	72
6) Bromomethane	1.62	94	5076	1.760 ug/L	91
8) Chloroethane	1.69	64	4789	2.411 ug/L	89
9) Trichlorofluoromethane	1.87	101	10221	2.390 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6083	2.806 ug/L	88
12) 1,1-Dichloroethene	2.27	96	5991	2.882 ug/L #	1
13) Acetone	2.31	43	6791	4.294 ug/L	94
14) Carbon disulfide	2.46	76	15758	2.417 ug/L	100
15) Methyl Acetate	2.60	43	6186	2.457 ug/L	98
16) Methylene chloride	2.68	84	6274	2.642 ug/L	90
17) trans-1,2-Dichloroethene	2.96	96	5311	2.438 ug/L	95
18) Methyl tert-butyl Ether	2.98	73	15329	2.308 ug/L	97
19) 1,1-Dichloroethane	3.42	63	10045	2.457 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	5801	2.373 ug/L	92
22) 2-Butanone	4.25	43	7635	4.043 ug/L #	49

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

23) Bromochloromethane	4.52	128	2835	2.222	ug/L #	85
25) Chloroform	4.65	83	14974	3.480	ug/L	98
27) 1,2-Dichloroethane	5.38	62	8223	2.482	ug/L	98
29) Cyclohexane	4.97	56	7793	2.248	ug/L	96
30) 1,1,1-Trichloroethane	4.89	97	8322	2.275	ug/L	94
31) Carbon tetrachloride	5.11	117	7373	2.315	ug/L	95
33) Benzene	5.37	78	20652	2.252	ug/L	100
34) Trichloroethene	6.17	95	5868	2.426	ug/L	98
35) Methylcyclohexane	6.39	83	7979	2.114	ug/L	96
37) 1,2-Dichloropropane	6.41	63	5843	2.381	ug/L #	96
38) Bromodichloromethane	6.74	83	7531	2.374	ug/L	94
39) cis-1,3-Dichloropropene	7.25	75	8637	2.255	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	14332	4.229	ug/L	98
42) Toluene	7.62	91	23364	2.370	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	7973	2.303	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	5641	2.421	ug/L	95
46) Tetrachloroethene	8.21	164	4582	2.320	ug/L	97
48) 2-Hexanone	8.35	43	13296	4.854	ug/L	92
49) Dibromochloromethane	8.46	129	6030	2.275	ug/L	96
50) 1,2-Dibromoethane	8.57	107	6192	2.399	ug/L #	98
51) Chlorobenzene	9.10	112	15543	2.408	ug/L	99
52) Ethylbenzene	9.23	91	23522	2.215	ug/L	98
53) m,p-Xylene	9.36	106	8878	2.178	ug/L	90
54) o-xylene	9.76	106	7994	2.022	ug/L	100
55) Styrene	9.78	104	12530	1.866	ug/L	94
56) Isopropylbenzene	10.15	105	20281	1.963	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	10942	2.604	ug/L #	96
59) 1,2,3-Trichloropropane	10.48	75	8111	2.504	ug/L	99
61) Bromoform	9.94	173	4419	2.366	ug/L #	96
62) 1,3-Dichlorobenzene	11.40	146	11262	2.372	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	12808	2.596	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	12887	2.684	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.65	75	1982	2.234	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.88	180	8410	2.195	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	6231	1.904	ug/L	96
69) Naphthalene	13.74	128	13257	1.412	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.98	180	5843	1.697	ug/L	97

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

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