

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073019\
 Data File : VU033488.D
 Acq On : 30 Jul 2019 12:35
 Operator : JC/SP
 Sample : MDL04
 Misc : 5.00u/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Quant Time: Jul 31 08:49:36 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	293902	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	299828	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	138712	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	116582	43.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.38%
7) Chloroethane-d5	1.67	69	102958	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.38%
11) 1,1-Dichloroethene-d2	2.26	63	152456	31.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.48%
21) 2-Butanone-d5	4.15	46	145328	95.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.03%
24) Chloroform-d	4.62	84	182300	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	5.29	65	123897	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.16%
32) Benzene-d6	5.32	84	384147	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
36) 1,2-Dichloropropane-d6	6.31	67	122060	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.78%
41) Toluene-d8	7.55	98	346649	45.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.62%
43) trans-1,3-Dichloropropene-	7.83	79	55987	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.78%
47) 2-Hexanone-d5	8.30	63	106364	102.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.56%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	183747	47.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.92%
66) 1,2-Dichlorobenzene-d4	11.85	152	136498	51.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	6578	2.243 ug/L	99
3) Chloromethane	1.32	50	6758	2.308 ug/L	99
5) Vinyl chloride	1.40	62	8016	2.394 ug/L #	77
6) Bromomethane	1.62	94	4774	2.040 ug/L	94
8) Chloroethane	1.69	64	4932	2.401 ug/L	92
9) Trichlorofluoromethane	1.87	101	10449	2.379 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6305	2.857 ug/L #	79
12) 1,1-Dichloroethene	2.27	96	5882	2.736 ug/L #	1
13) Acetone	2.31	43	7247	4.782 ug/L	96
14) Carbon disulfide	2.46	76	14681	2.292 ug/L	96
15) Methyl Acetate	2.60	43	4983	2.050 ug/L	96
16) Methylene chloride	2.68	84	5797	2.454 ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	4522	2.117 ug/L	92
18) Methyl tert-butyl Ether	2.98	73	13825	2.194 ug/L	97
19) 1,1-Dichloroethane	3.42	63	8927	2.220 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	5341	2.266 ug/L	92
22) 2-Butanone	4.26	43	7108	3.947 ug/L	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	2871	2.293	uq/L	86
25) Chloroform	4.65	83	21356	5.009	uq/L	99
27) 1,2-Dichloroethane	5.39	62	7737	2.337	uq/L #	94
29) Cyclohexane	4.97	56	6980	2.119	uq/L	97
30) 1,1,1-Trichloroethane	4.89	97	8126	2.276	uq/L	99
31) Carbon tetrachloride	5.11	117	7004	2.204	uq/L	99
33) Benzene	5.37	78	20598	2.298	uq/L	100
34) Trichloroethene	6.17	95	5335	2.285	uq/L	91
35) Methylcyclohexane	6.40	83	7364	2.074	uq/L	99
37) 1,2-Dichloropropane	6.41	63	5419	2.248	uq/L	99
38) Bromodichloromethane	6.74	83	7201	2.270	uq/L	99
39) cis-1,3-Dichloropropene	7.25	75	8063	2.243	uq/L	93
40) 4-Methyl-2-pentanone	7.44	43	13929	4.385	uq/L	92
42) Toluene	7.62	91	22530	2.336	uq/L	94
44) trans-1,3-Dichloropropene	7.87	75	6790	2.081	uq/L	90
45) 1,1,2-Trichloroethane	8.05	97	5281	2.297	uq/L	93
46) Tetrachloroethene	8.21	164	4225	2.224	uq/L	91
48) 2-Hexanone	8.35	43	14728	5.691	uq/L	95
49) Dibromochloromethane	8.46	129	5469	2.125	uq/L	100
50) 1,2-Dibromoethane	8.57	107	5593	2.243	uq/L #	96
51) Chlorobenzene	9.10	112	13925	2.173	uq/L	96
52) Ethylbenzene	9.23	91	21623	2.068	uq/L	100
53) m,p-Xylene	9.36	106	8024	2.041	uq/L	99
54) o-xylene	9.76	106	7580	1.967	uq/L	98
55) Styrene	9.78	104	11443	1.749	uq/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	10611	2.596	uq/L	96
59) Bromoform	9.94	173	4209	2.426	uq/L #	98
60) 1,2,3-Trichloropropane	10.48	75	7432	2.630	uq/L	93
61) Isopropylbenzene	10.15	105	18719	2.107	uq/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	14143	1.965	uq/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	13327	1.867	uq/L	98
64) 1,3-Dichlorobenzene	11.40	146	10365	2.289	uq/L	97
65) 1,4-Dichlorobenzene	11.49	146	11298	2.415	uq/L	95
67) 1,2-Dichlorobenzene	11.86	146	11593	2.555	uq/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	1660	2.113	uq/L	99
69) 1,3,5-Trichlorobenzene	12.88	180	7116	2.069	uq/L	95
70) 1,2,4-trichlorobenzene	13.49	180	4248	1.480	uq/L	98
71) Naphthalene	13.74	128	10844	1.307	uq/L #	86
72) 1,2,3-Trichlorobenzene	13.98	180	5110	1.700	uq/L	97

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

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