

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102021\
 Data File : VU045343.D
 Acq On : 20 Oct 2021 13:54
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/22/2021 5:38:09 PM

Quant Time: Oct 21 02:14:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 21 01:57:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	309810	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	313243	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	144969	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	53821	39.879	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.760%
7) Chloroethane-d5	1.871	69	21127	16.381	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	32.760%#
11) 1,1-Dichloroethene-d2	2.549	63	71947	26.773	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.540%#
21) 2-Butanone-d5	4.633	46	203410	100.972	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.970%
24) Chloroform-d	5.063	84	161154	44.898	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	5.703	65	116186	47.356	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.720%
32) Benzene-d6	5.726	84	274125	46.527	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.060%
36) 1,2-Dichloropropane-d6	6.694	67	109821	47.952	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.900%
41) Toluene-d8	7.899	98	223417	44.458	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.920%
43) trans-1,3-Dichloroprop...	8.185	79	55173	47.460	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.920%
47) 2-Hexanone-d5	8.642	63	164332	114.358	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.360%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	237621	54.882	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.760%
66) 1,2-Dichlorobenzene-d4	12.198	152	132058	52.503	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	4680	2.072	ug/L	94
3) Chloromethane	1.517	50	6452	2.524	ug/L	99
5) Vinyl chloride	1.604	62	5569	1.970	ug/L #	39
6) Bromomethane	1.822	94	1780	1.190	ug/L	96
9) Trichlorofluoromethane	2.102	101	6383	1.856	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	5018	2.296	ug/L	87
12) 1,1-Dichloroethene	2.562	96	4376	2.172	ug/L #	1
13) Acetone	2.639	43	8145	3.473	ug/L	99
14) Carbon disulfide	2.774	76	10958	1.979	ug/L	97
15) Methyl Acetate	2.957	43	6648	2.286	ug/L	90
16) Methylene chloride	3.041	84	7579	2.921	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	4604	2.130	ug/L	90
18) Methyl tert-butyl Ether	3.372	73	15813	2.098	ug/L	99
19) 1,1-Dichloroethane	3.867	63	9626	2.176	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	5061	2.044	ug/L	95
22) 2-Butanone	4.726	43	11047m	4.271	ug/L	
23) Bromochloromethane	4.973	128	2464	2.021	ug/L #	91
25) Chloroform	5.089	83	14324	3.182	ug/L	98
27) 1,2-Dichloroethane	5.796	62	7945	2.209	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	7202	1.936	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	7203	1.949	ug/L	98
31) Carbon tetrachloride	5.523	117	5374	1.883	ug/L	99
33) Benzene	5.774	78	20464	2.098	ug/L	100
34) Trichloroethene	6.546	95	4667	1.941	ug/L	95
35) Methylcyclohexane	6.761	83	7394	1.958	ug/L	98
37) 1,2-Dichloropropane	6.793	63	5719	2.156	ug/L #	93
38) Bromodichloromethane	7.108	83	6628	1.932	ug/L	95
39) cis-1,3-Dichloropropene	7.610	75	8098	2.039	ug/L	96
40) 4-Methyl-2-pentanone	7.803	43	17722	4.381	ug/L	99
42) Toluene	7.970	91	23887	2.348	ug/L	100
44) trans-1,3-Dichloropropene	8.218	75	8783m	2.313	ug/L	
45) 1,1,2-Trichloroethane	8.407	97	6002	2.361	ug/L	95
46) Tetrachloroethene	8.555	164	3500	2.101	ug/L	85
48) 2-Hexanone	8.693	43	19639	5.751	ug/L	98
49) Dibromochloromethane	8.819	129	5331	2.153	ug/L	98
50) 1,2-Dibromoethane	8.931	107	5718	2.185	ug/L #	93
51) Chlorobenzene	9.452	112	14151	2.196	ug/L	99
52) Ethylbenzene	9.574	91	22221	2.013	ug/L	98
53) m,p-Xylene	9.700	106	8782	2.094	ug/L	85
54) o-xylene	10.105	106	8445	2.007	ug/L	97
55) Styrene	10.118	104	13382	1.879	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	11429	2.545	ug/L #	95
59) Bromoform	10.298	173	3854	2.425	ug/L #	98
60) 1,2,3-Trichloropropane	10.828	75	8927	2.682	ug/L	99
61) Isopropylbenzene	10.491	105	21133	2.135	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	16736	2.043	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	16846	2.032	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	9659	2.155	ug/L	93
65) 1,4-Dichlorobenzene	11.841	146	10135	2.229	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	10754	2.373	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	1878	2.026	ug/L	87
69) 1,3,5-Trichlorobenzene	13.224	180	6089	1.974	ug/L	98
70) 1,2,4-trichlorobenzene	13.848	180	4455	1.723	ug/L	99
71) Naphthalene	14.092	128	13937	1.613	ug/L	98
72) 1,2,3-Trichlorobenzene	14.333	180	4707	1.822	ug/L	99

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

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