

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101921\
 Data File : VU045335.D
 Acq On : 19 Oct 2021 17:31
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/20/2021 3:48:50 PM

Quant Time: Oct 20 03:09:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 20 02:57:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	294251	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	299616	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	136348	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	55631	43.400	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.800%
7) Chloroethane-d5	1.874	69	22300	18.205	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	36.420%#
11) 1,1-Dichloroethene-d2	2.552	63	69413	27.196	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.400%#
21) 2-Butanone-d5	4.629	46	200473	104.776	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.780%
24) Chloroform-d	5.066	84	153477	45.020	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.040%
26) 1,2-Dichloroethane-d4	5.703	65	111066	47.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.320%
32) Benzene-d6	5.729	84	262113	46.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.020%
36) 1,2-Dichloropropane-d6	6.693	67	104843	47.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.720%
41) Toluene-d8	7.899	98	214714	44.670	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.340%
43) trans-1,3-Dichloroprop...	8.182	79	52536	47.247	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.500%
47) 2-Hexanone-d5	8.639	63	164827	119.919	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.920%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	236008	56.989	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.980%
66) 1,2-Dichlorobenzene-d4	12.198	152	124814	52.761	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	3575	1.667	ug/L	98
3) Chloromethane	1.520	50	5325	2.194	ug/L	99
5) Vinyl chloride	1.604	62	4643	1.729	ug/L #	11
6) Bromomethane	1.825	94	1677	1.180	ug/L	92
8) Chloroethane	1.896	64	4033	2.391	ug/L	83
9) Trichlorofluoromethane	2.112	101	5233	1.602	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	4130	1.990	ug/L	86
12) 1,1-Dichloroethene	2.565	96	3638	1.901	ug/L #	1
13) Acetone	2.639	43	6870	3.084	ug/L	95
14) Carbon disulfide	2.780	76	8889	1.690	ug/L	99
15) Methyl Acetate	2.954	43	7562	2.738	ug/L	94
16) Methylene chloride	3.044	84	5513	2.237	ug/L	97
17) trans-1,2-Dichloroethene	3.346	96	3565	1.737	ug/L	90
18) Methyl tert-butyl Ether	3.372	73	12820	1.791	ug/L	99
19) 1,1-Dichloroethane	3.874	63	7305m	1.739	ug/L	
20) cis-1,2-Dichloroethene	4.668	96	4235	1.801	ug/L	90
22) 2-Butanone	4.719	43	7696	3.133	ug/L	93
23) Bromochloromethane	4.973	128	1937	1.673	ug/L	88
25) Chloroform	5.092	83	9991	2.337	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	6342	1.857	ug/L #	94
29) Cyclohexane	5.388	56	5667	1.593	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	5751	1.627	ug/L	97
31) Carbon tetrachloride	5.526	117	4082	1.495	ug/L	98
33) Benzene	5.777	78	16283	1.746	ug/L	100
34) Trichloroethene	6.546	95	3826	1.663	ug/L	97
35) Methylcyclohexane	6.761	83	5727	1.585	ug/L	98
37) 1,2-Dichloropropane	6.790	63	4630	1.825	ug/L #	95
38) Bromodichloromethane	7.111	83	5329	1.624	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	6214	1.636	ug/L	95
40) 4-Methyl-2-pentanone	7.800	43	15091	3.900	ug/L	99
42) Toluene	7.970	91	19574	2.012	ug/L	97
44) trans-1,3-Dichloropropene	8.214	75	6554m	1.805	ug/L	
45) 1,1,2-Trichloroethane	8.404	97	4604	1.894	ug/L	93
46) Tetrachloroethene	8.555	164	2599	1.631	ug/L	88
48) 2-Hexanone	8.690	43	16784	5.139	ug/L	95
49) Dibromochloromethane	8.816	129	4097	1.730	ug/L	100
50) 1,2-Dibromoethane	8.925	107	4423	1.767	ug/L #	98
51) Chlorobenzene	9.452	112	11313	1.836	ug/L	98
52) Ethylbenzene	9.574	91	16676	1.579	ug/L	99
53) m,p-Xylene	9.697	106	6770	1.688	ug/L	88
54) o-xylene	10.105	106	6807	1.691	ug/L	94
55) Styrene	10.118	104	10629	1.560	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.787	83	9690	2.256	ug/L #	99
59) Bromoform	10.298	173	3094	2.070	ug/L #	95
60) 1,2,3-Trichloropropane	10.828	75	7688	2.456	ug/L	100
61) Isopropylbenzene	10.488	105	16283	1.749	ug/L	98
62) 1,3,5-Trimethylbenzene	11.092	105	13157	1.708	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	13311	1.707	ug/L	95
64) 1,3-Dichlorobenzene	11.748	146	7797	1.849	ug/L	94
65) 1,4-Dichlorobenzene	11.838	146	8072	1.888	ug/L	97
67) 1,2-Dichlorobenzene	12.217	146	8649	2.029	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.999	75	1437	1.648	ug/L	96
69) 1,3,5-Trichlorobenzene	13.224	180	4936	1.701	ug/L	95
70) 1,2,4-trichlorobenzene	13.844	180	3796	1.561	ug/L	97
71) Naphthalene	14.092	128	12436	1.530	ug/L	98
72) 1,2,3-Trichlorobenzene	14.336	180	3640	1.498	ug/L	97

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

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