

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051890.D
 Acq On : 17 Nov 2022 12:40
 Operator : JC/MD
 Sample : MDL06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 01:15:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 18 00:53:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	465160	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	465366	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	191242	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	97776	42.816	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.640%		
7) Chloroethane-d5	1.903	69	104727	45.772	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.540%		
11) 1,1-Dichloroethene-d2	2.562	63	125701	30.696	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.400%		
21) 2-Butanone-d5	4.616	46	246533	94.940	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.940%		
24) Chloroform-d	5.060	84	262435	45.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.680%		
26) 1,2-Dichloroethane-d4	5.697	65	166249	47.442	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.880%		
32) Benzene-d6	5.722	84	467866	48.218	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.440%		
36) 1,2-Dichloropropane-d6	6.687	67	177272	49.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.160%		
41) Toluene-d8	7.896	98	353983	44.446	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.900%		
43) trans-1,3-Dichloroprop...	8.176	79	64388	44.757	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.520%		
47) 2-Hexanone-d5	8.629	63	167735	91.379	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.380%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	322002	45.808	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.620%		
66) 1,2-Dichlorobenzene-d4	12.192	152	175518	52.152	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	6427	2.250	ug/L	93
3) Chloromethane	1.523	50	9846	2.596	ug/L	100
5) Vinyl chloride	1.604	62	9173	2.332	ug/L #	17
6) Bromomethane	1.838	94	4128	2.422	ug/L	94
8) Chloroethane	1.925	64	5688	2.224	ug/L	89
9) Trichlorofluoromethane	2.134	101	11355	2.411	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	7898	2.661	ug/L	96
12) 1,1-Dichloroethene	2.575	96	7603	2.743	ug/L #	1
13) Acetone	2.623	43	11587	4.171	ug/L	71
14) Carbon disulfide	2.790	76	18341	2.388	ug/L	99
15) Methyl Acetate	2.948	43	8140	2.149	ug/L	96
16) Methylene chloride	3.044	84	13297	3.005	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	6941	2.323	ug/L	86
18) Methyl tert-butyl Ether	3.359	73	19920	2.154	ug/L	99
19) 1,1-Dichloroethane	3.867	63	13916	2.289	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	8110	2.326	ug/L	94
22) 2-Butanone	4.713	43	13551m	4.319	ug/L	
23) Bromochloromethane	4.973	128	4410	2.292	ug/L	93
27) 1,2-Dichloroethane	5.793	62	11186m	2.386	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	8836	2.225	ug/L	95
30) 1,1,1-Trichloroethane	5.314	97	11091	2.357	ug/L	98
31) Carbon tetrachloride	5.523	117	9766	2.483	ug/L	97
33) Benzene	5.774	78	31893	2.383	ug/L	100
35) Methylcyclohexane	6.758	83	9467	2.202	ug/L	98
37) 1,2-Dichloropropane	6.790	63	8605	2.270	ug/L	99
38) Bromodichloromethane	7.102	83	10673	2.251	ug/L #	97
39) cis-1,3-Dichloropropene	7.607	75	11051	2.229	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	19048	3.816	ug/L	96
42) Toluene	7.967	91	30210	2.194	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	11119m	2.340	ug/L	
45) 1,1,2-Trichloroethane	8.401	97	8470	2.199	ug/L	96
46) Tetrachloroethene	8.549	164	5443	2.149	ug/L	94
49) Dibromochloromethane	8.806	129	8838	2.225	ug/L	91
50) 1,2-Dibromoethane	8.922	107	8509	2.194	ug/L	98
51) Chlorobenzene	9.446	112	21057	2.238	ug/L	97
52) Ethylbenzene	9.568	91	27628	1.961	ug/L	98
53) m,p-Xylene	9.693	106	9902	1.815	ug/L	86
54) o-Xylene	10.098	106	9331	1.681	ug/L	92
55) Styrene	10.115	104	15034	1.570	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	16684	2.292	ug/L	97
59) Bromoform	10.291	173	6683	2.577	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	11984	2.620	ug/L	98
61) Isopropylbenzene	10.481	105	22718	2.033	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	16746	1.839	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	15594	1.752	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	12300	2.171	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	13972	2.435	ug/L	92
67) 1,2-Dichlorobenzene	12.211	146	14928	2.478	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	3064	2.616	ug/L	86
69) 1,3,5-Trichlorobenzene	13.217	180	9192	2.446	ug/L	91
70) 1,2,4-trichlorobenzene	13.841	180	6482	2.176	ug/L	98
71) Naphthalene	14.089	128	16941m	1.729	ug/L	

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

