

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111722\
 Data File : VU051891.D
 Acq On : 17 Nov 2022 13:02
 Operator : JC/MD
 Sample : MDL07
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

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

Quant Time: Nov 18 01:16:28 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	490037	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	489675	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	198006	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	103465	43.008	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.020%		
7) Chloroethane-d5	1.903	69	112672	46.745	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.480%		
11) 1,1-Dichloroethene-d2	2.565	63	129969	30.127	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.260%		
21) 2-Butanone-d5	4.617	46	273174	99.859	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.860%		
24) Chloroform-d	5.060	84	275820	45.736	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.480%		
26) 1,2-Dichloroethane-d4	5.700	65	174177	47.181	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.360%		
32) Benzene-d6	5.726	84	492030	48.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.380%		
36) 1,2-Dichloropropane-d6	6.687	67	184428	48.528	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.060%		
41) Toluene-d8	7.896	98	375230	44.775	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.540%		
43) trans-1,3-Dichloroprop...	8.176	79	69578	45.964	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.920%		
47) 2-Hexanone-d5	8.629	63	179175	92.766	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.770%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	346147	46.798	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.600%		
66) 1,2-Dichlorobenzene-d4	12.192	152	182561	52.391	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6977	2.319	ug/L	98
3) Chloromethane	1.523	50	12298	3.078	ug/L	96
5) Vinyl chloride	1.604	62	9868	2.381	ug/L #	19
6) Bromomethane	1.842	94	4501	2.507	ug/L	90
8) Chloroethane	1.929	64	5925	2.199	ug/L	97
9) Trichlorofluoromethane	2.134	101	11352	2.288	ug/L	87
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	8384	2.681	ug/L	91
12) 1,1-Dichloroethene	2.578	96	7674	2.628	ug/L #	1
13) Acetone	2.626	43	11405	3.897	ug/L	96
14) Carbon disulfide	2.793	76	18495	2.286	ug/L	97
15) Methyl Acetate	2.951	43	9372	2.349	ug/L	90
16) Methylene chloride	3.044	84	13826	2.966	ug/L	95
17) trans-1,2-Dichloroethene	3.356	96	6964	2.213	ug/L	89
18) Methyl tert-butyl Ether	3.359	73	20145	2.068	ug/L #	87
19) 1,1-Dichloroethane	3.871	63	15193	2.372	ug/L	93
20) cis-1,2-Dichloroethene	4.668	96	8669	2.360	ug/L	88
22) 2-Butanone	4.713	43	14104m	4.267	ug/L	
23) Bromochloromethane	4.980	128	4496	2.218	ug/L	92
27) 1,2-Dichloroethane	5.793	62	11523	2.333	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.388	56	8099	1.939	ug/L	86
30) 1,1,1-Trichloroethane	5.317	97	11211	2.265	ug/L	99
31) Carbon tetrachloride	5.523	117	9276	2.241	ug/L	92
33) Benzene	5.774	78	33271	2.362	ug/L	100
35) Methylcyclohexane	6.761	83	10256	2.267	ug/L	96
37) 1,2-Dichloropropane	6.790	63	9053	2.270	ug/L #	97
38) Bromodichloromethane	7.105	83	11569	2.318	ug/L #	96
39) cis-1,3-Dichloropropene	7.607	75	11552	2.214	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	20642	3.930	ug/L	96
42) Toluene	7.967	91	32772	2.262	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	11373m	2.275	ug/L	
45) 1,1,2-Trichloroethane	8.398	97	9116	2.249	ug/L	95
46) Tetrachloroethene	8.555	164	5568	2.089	ug/L	96
49) Dibromochloromethane	8.809	129	9416	2.253	ug/L	99
50) 1,2-Dibromoethane	8.922	107	9308	2.281	ug/L #	92
51) Chlorobenzene	9.446	112	22279	2.250	ug/L	92
52) Ethylbenzene	9.568	91	29509	1.990	ug/L	100
53) m,p-Xylene	9.693	106	10879	1.896	ug/L	93
54) o-Xylene	10.099	106	10439	1.787	ug/L	99
55) Styrene	10.115	104	16394	1.627	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.777	83	17692	2.310	ug/L #	95
59) Bromoform	10.288	173	7132	2.657	ug/L	94
60) 1,2,3-Trichloropropane	10.822	75	12794	2.701	ug/L	99
61) Isopropylbenzene	10.481	105	23860	2.062	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	17691	1.876	ug/L	96
63) 1,2,4-Trimethylbenzene	11.465	105	16265	1.765	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	13234	2.256	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	14395	2.424	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	15924	2.553	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	3347	2.760	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	9055	2.327	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	6650	2.156	ug/L	95
71) Naphthalene	14.086	128	18738m	1.847	ug/L	
72) 1,2,3-Trichlorobenzene	14.330	180	7177	2.126	ug/L	98

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

