

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051866.D
 Acq On : 15 Nov 2022 17:58
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2022
 Supervised By : Mahesh Dadoda 11/16/2022

Quant Time: Nov 16 01:24:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 16 01:02:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	477761	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	472338	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	185065	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	100051	42.657	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.320%		
7) Chloroethane-d5	1.906	69	110635	47.079	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.160%		
11) 1,1-Dichloroethene-d2	2.565	63	126965	30.187	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.380%		
21) 2-Butanone-d5	4.617	46	267813	100.414	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.410%		
24) Chloroform-d	5.060	84	269721	45.874	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.740%		
26) 1,2-Dichloroethane-d4	5.700	65	173004	48.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.140%		
32) Benzene-d6	5.726	84	481855	48.927	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.860%		
36) 1,2-Dichloropropane-d6	6.687	67	184979	50.460	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.920%		
41) Toluene-d8	7.896	98	356833	44.142	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.280%		
43) trans-1,3-Dichloroprop...	8.176	79	66791	45.742	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.480%		
47) 2-Hexanone-d5	8.629	63	178352	95.729	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.730%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	331779	46.502	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.000%		
66) 1,2-Dichlorobenzene-d4	12.189	152	170268	52.280	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	5772	1.968	ug/L	98
3) Chloromethane	1.523	50	11592	2.976	ug/L	97
5) Vinyl chloride	1.604	62	8694	2.152	ug/L #	1
6) Bromomethane	1.845	94	4137	2.363	ug/L	89
8) Chloroethane	1.929	64	6654	2.533	ug/L	97
9) Trichlorofluoromethane	2.134	101	10064	2.080	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	7667	2.515	ug/L	89
12) 1,1-Dichloroethene	2.578	96	7066	2.482	ug/L #	1
13) Acetone	2.623	43	14378	5.039	ug/L	98
14) Carbon disulfide	2.794	76	17475	2.215	ug/L	98
15) Methyl Acetate	2.951	43	8644	2.222	ug/L	94
16) Methylene chloride	3.044	84	10189	2.242	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	6772	2.207	ug/L	90
18) Methyl tert-butyl Ether	3.356	73	19419	2.045	ug/L	98
19) 1,1-Dichloroethane	3.867	63	14040	2.248	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	7742	2.162	ug/L	99
22) 2-Butanone	4.713	43	15605m	4.842	ug/L	
23) Bromochloromethane	4.973	128	4282	2.167	ug/L	95
27) 1,2-Dichloroethane	5.800	62	11624	2.414	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	7706	1.912	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	11112	2.327	ug/L	95
31) Carbon tetrachloride	5.520	117	8786	2.201	ug/L	100
33) Benzene	5.774	78	32977	2.427	ug/L	100
35) Methylcyclohexane	6.761	83	8795	2.015	ug/L	96
37) 1,2-Dichloropropane	6.793	63	8993	2.337	ug/L	99
38) Bromodichloromethane	7.102	83	11106	2.307	ug/L	95
39) cis-1,3-Dichloropropene	7.607	75	10563	2.099	ug/L	96
40) 4-Methyl-2-pentanone	7.790	43	20046	3.957	ug/L	94
42) Toluene	7.967	91	31974	2.288	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	9991	2.072	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	8926	2.283	ug/L	96
46) Tetrachloroethene	8.552	164	5984	2.328	ug/L	89
49) Dibromochloromethane	8.806	129	8581	2.129	ug/L	99
50) 1,2-Dibromoethane	8.922	107	8867	2.253	ug/L	95
51) Chlorobenzene	9.446	112	20659	2.163	ug/L	95
52) Ethylbenzene	9.568	91	27862	1.948	ug/L	99
53) m,p-Xylene	9.694	106	9956	1.798	ug/L	88
54) o-Xylene	10.099	106	9213	1.635	ug/L	99
55) Styrene	10.115	104	13968	1.437	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	16993	2.300	ug/L #	95
59) Bromoform	10.288	173	6625	2.640	ug/L	91
60) 1,2,3-Trichloropropane	10.819	75	12298	2.778	ug/L	99
61) Isopropylbenzene	10.481	105	22052	2.039	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	15554	1.765	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	15454	1.795	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	11876	2.166	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	13630	2.455	ug/L	96
67) 1,2-Dichlorobenzene	12.211	146	14635	2.511	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.992	75	2783	2.455	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	8320	2.288	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	6008	2.084	ug/L	96
71) Naphthalene	14.089	128	16329	1.722	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	6177	1.958	ug/L	99

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

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