

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111522\
 Data File : VU051867.D
 Acq On : 15 Nov 2022 18:22
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

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

Quant Time: Nov 16 01:24:39 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	463802	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	466072	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	172966	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	104931	46.084	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.160%		
7) Chloroethane-d5	1.906	69	112644	49.377	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.760%		
11) 1,1-Dichloroethene-d2	2.565	63	129139	31.628	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.260%		
21) 2-Butanone-d5	4.616	46	255201m	98.565	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.570%		
24) Chloroform-d	5.063	84	267843	46.926	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.860%		
26) 1,2-Dichloroethane-d4	5.700	65	170575	48.819	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.640%		
32) Benzene-d6	5.726	84	472081	48.579	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.160%		
36) 1,2-Dichloropropane-d6	6.687	67	180997	50.037	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.080%		
41) Toluene-d8	7.896	98	358862	44.990	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.980%		
43) trans-1,3-Dichloroprop...	8.176	79	64916	45.056	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.120%		
47) 2-Hexanone-d5	8.629	63	164163	89.298	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	89.300%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	320998	45.596	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.200%		
66) 1,2-Dichlorobenzene-d4	12.192	152	164043	53.892	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	4320	1.517	ug/L	95
3) Chloromethane	1.523	50	9634	2.548	ug/L	99
5) Vinyl chloride	1.604	62	7138	1.820	ug/L #	1
6) Bromomethane	1.848	94	3327	1.958	ug/L	97
8) Chloroethane	1.928	64	4730	1.855	ug/L	84
9) Trichlorofluoromethane	2.134	101	7940	1.691	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	6034	2.039	ug/L #	82
12) 1,1-Dichloroethene	2.578	96	5934	2.147	ug/L #	1
13) Acetone	2.626	43	11287	4.075	ug/L	98
14) Carbon disulfide	2.793	76	14287	1.866	ug/L	98
15) Methyl Acetate	2.951	43	6687m	1.771	ug/L	
16) Methylene chloride	3.044	84	7401	1.677	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	5281	1.773	ug/L	87
18) Methyl tert-butyl Ether	3.359	73	15500	1.681	ug/L #	93
19) 1,1-Dichloroethane	3.870	63	10626	1.753	ug/L	93
20) cis-1,2-Dichloroethene	4.665	96	5696	1.639	ug/L	97
22) 2-Butanone	4.713	43	11559m	3.695	ug/L	
23) Bromochloromethane	4.977	128	3408	1.777	ug/L	85
27) 1,2-Dichloroethane	5.796	62	9147	1.957	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	6016	1.513	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	7923	1.681	ug/L	97
31) Carbon tetrachloride	5.523	117	6783	1.722	ug/L	98
33) Benzene	5.774	78	24841	1.853	ug/L	100
35) Methylcyclohexane	6.761	83	6390	1.484	ug/L	97
37) 1,2-Dichloropropane	6.790	63	7044	1.856	ug/L #	95
38) Bromodichloromethane	7.105	83	8342	1.756	ug/L #	96
39) cis-1,3-Dichloropropene	7.607	75	7942	1.599	ug/L	95
40) 4-Methyl-2-pentanone	7.790	43	16160	3.233	ug/L #	93
42) Toluene	7.970	91	24586	1.783	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	8103m	1.703	ug/L	
45) 1,1,2-Trichloroethane	8.398	97	6707	1.739	ug/L	94
46) Tetrachloroethene	8.552	164	4599	1.813	ug/L	86
49) Dibromochloromethane	8.806	129	6460	1.624	ug/L	99
50) 1,2-Dibromoethane	8.922	107	6485	1.670	ug/L #	85
51) Chlorobenzene	9.443	112	15755	1.672	ug/L	97
52) Ethylbenzene	9.568	91	20226	1.433	ug/L	97
53) m,p-Xylene	9.693	106	7659	1.402	ug/L	94
54) o-Xylene	10.099	106	7422	1.335	ug/L	99
55) Styrene	10.115	104	10503	1.095	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.777	83	12805	1.757	ug/L #	98
59) Bromoform	10.288	173	4802	2.048	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	9500	2.296	ug/L	95
61) Isopropylbenzene	10.484	105	16816	1.663	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	12013	1.458	ug/L	95
63) 1,2,4-Trimethylbenzene	11.465	105	11264	1.400	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	9002	1.757	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	10165	1.959	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	10766	1.976	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.996	75	2119	2.000	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	6097	1.794	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	4901	1.819	ug/L	96
71) Naphthalene	14.089	128	13552	1.529	ug/L	99

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

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