

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042522\
 Data File : VU048270.D
 Acq On : 25 Apr 2022 15:37
 Operator : SY/MD
 Sample : N2316-23MEMS
 Misc : 4.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETNS0MEMS

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 26 02:44:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 26 02:41:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	447013	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	475284	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	258620	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	161710m	39.340	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.680%
7) Chloroethane-d5	1.871	69	63003m	21.835	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	43.680%#
11) 1,1-Dichloroethene-d2	2.530	63	262404	39.840	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.680%
21) 2-Butanone-d5	4.639	46	306305	87.367	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.370%
24) Chloroform-d	5.064	84	300673	40.327	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.660%
26) 1,2-Dichloroethane-d4	5.700	65	183936	41.578	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.160%
32) Benzene-d6	5.719	84	620920	41.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.840%
36) 1,2-Dichloropropane-d6	6.690	67	206265	41.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.240%
41) Toluene-d8	7.899	98	580250	42.705	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.420%
43) trans-1,3-Dichloroprop...	8.182	79	95273	43.569	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.140%
47) 2-Hexanone-d5	8.658	63	239379	89.531	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.530%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	346065	39.817	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.640%
66) 1,2-Dichlorobenzene-d4	12.195	152	252205	43.351	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.379	85	143312m	42.428	ug/L	
3) Chloromethane	1.523	50	164779	42.622	ug/L	98
5) Vinyl chloride	1.604	62	170981m	43.887	ug/L	
6) Bromomethane	1.826	94	50087	27.974	ug/L	99
8) Chloroethane	1.890	64	51087m	23.191	ug/L	
9) Trichlorofluoromethane	2.064	101	134649m	26.520	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	2.536	101	136875	40.647	ug/L	100
12) 1,1-Dichloroethene	2.540	96	118803	40.418	ug/L	86
13) Acetone	2.649	43	170424	75.718	ug/L	98
14) Carbon disulfide	2.755	76	296780	41.428	ug/L	100
15) Methyl Acetate	2.954	43	200056	44.776	ug/L	98
16) Methylene chloride	3.031	84	163430	43.127	ug/L	97
17) trans-1,2-Dichloroethene	3.330	96	133215	43.626	ug/L	99
18) Methyl tert-butyl Ether	3.372	73	471032	46.752	ug/L	100
19) 1,1-Dichloroethane	3.861	63	255206	39.967	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	166853	45.331	ug/L	97
22) 2-Butanone	4.719	43	289463	86.971	ug/L	98
23) Bromochloromethane	4.977	128	89280	43.446	ug/L	99
25) Chloroform	5.086	83	286265	43.903	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	209982	44.150	ug/L	100
29) Cyclohexane	5.375	56	211257	47.044	ug/L	98
30) 1,1,1-Trichloroethane	5.308	97	228918	42.592	ug/L	100
31) Carbon tetrachloride	5.514	117	192409	42.002	ug/L	100
33) Benzene	5.768	78	662766	47.099	ug/L	100
34) Trichloroethene	6.536	95	152043	44.081	ug/L	100
35) Methylcyclohexane	6.755	83	230548	47.609	ug/L	98
37) 1,2-Dichloropropane	6.790	63	178279	44.529	ug/L	100
38) Bromodichloromethane	7.112	83	219729	43.458	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	266740	47.379	ug/L	99
40) 4-Methyl-2-pentanone	7.825	43	556184m	92.105	ug/L	
42) Toluene	7.970	91	692964	46.904	ug/L	100
44) trans-1,3-Dichloropropene	8.215	75	257545	46.827	ug/L	100
45) 1,1,2-Trichloroethane	8.407	97	186033	44.288	ug/L	98
46) Tetrachloroethene	8.552	164	129881	43.876	ug/L	99
48) 2-Hexanone	8.710	43	480788	95.345	ug/L	98
49) Dibromochloromethane	8.819	129	198828	43.075	ug/L	100
50) 1,2-Dibromoethane	8.928	107	194773	45.724	ug/L	98
51) Chlorobenzene	9.452	112	584882	54.923	ug/L	98
52) Ethylbenzene	9.575	91	763070	49.872	ug/L	99
53) m,p-Xylene	9.700	106	299805	49.654	ug/L	99
54) o-Xylene	10.105	106	302007	49.651	ug/L	100
55) Styrene	10.121	104	508875	49.109	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.790	83	348888	42.084	ug/L	99
59) Bromoform	10.301	173	162931	43.410	ug/L	100
60) 1,2,3-Trichloropropane	10.832	75	270683	44.865	ug/L	100
61) Isopropylbenzene	10.491	105	753964	52.141	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	407442	53.460	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	639013	54.534	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	383156	47.263	ug/L	100
65) 1,4-Dichlorobenzene	11.841	146	376592	45.502	ug/L	99
67) 1,2-Dichlorobenzene	12.218	146	403926	47.297	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	70365	43.689	ug/L	93
69) 1,3,5-Trichlorobenzene	13.221	180	305856	50.772	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	259590	54.546	ug/L	99
71) Naphthalene	14.086	128	827441	60.753	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	267584	54.863	ug/L	98

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

