

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051922\
 Data File : VU048638.D
 Acq On : 19 May 2022 18:27
 Operator : SY/MD
 Sample : N2883-05MEMS
 Misc : 4.76g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW4K6MEMS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 20 04:42:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 20 04:37:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	267586	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	271166	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	166074	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55009	33.564	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.120%
7) Chloroethane-d5	1.874	69	50838m	41.403	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.543	63	138129	37.266	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.540%
21) 2-Butanone-d5	4.629	46	130460	83.646	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.650%
24) Chloroform-d	5.060	84	168765	40.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.500%
26) 1,2-Dichloroethane-d4	5.697	65	118341	40.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.000%
32) Benzene-d6	5.723	84	288618	38.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.480%
36) 1,2-Dichloropropane-d6	6.690	67	84149	37.982	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.960%
41) Toluene-d8	7.896	98	274002	38.600	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.200%#
43) trans-1,3-Dichloroprop...	8.182	79	52626	37.147	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.300%
47) 2-Hexanone-d5	8.652	63	106197	87.404	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.400%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	158576	43.255	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.520%
66) 1,2-Dichlorobenzene-d4	12.198	152	138899	40.912	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.379	85	126292m	43.919	ug/L	
3) Chloromethane	1.520	50	75340	42.462	ug/L	97
5) Vinyl chloride	1.601	62	91557	48.508	ug/L	98
6) Bromomethane	1.826	94	68017	49.917	ug/L	100
8) Chloroethane	1.890	64	60244m	54.228	ug/L	
9) Trichlorofluoromethane	2.083	101	167647	45.499	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.552	101	89026	47.382	ug/L	99
12) 1,1-Dichloroethene	2.552	96	81476	46.798	ug/L	93
13) Acetone	2.639	43	97698	77.103	ug/L	99
14) Carbon disulfide	2.764	76	218332	43.214	ug/L	99
15) Methyl Acetate	2.948	43	95746	44.274	ug/L	97
16) Methylene chloride	3.035	84	92016	45.399	ug/L	96
17) trans-1,2-Dichloroethene	3.337	96	89984	47.921	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	325309	49.933	ug/L	99
19) 1,1-Dichloroethane	3.858	63	163893	47.674	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	101554	47.957	ug/L	97
22) 2-Butanone	4.707	43	149499	92.921	ug/L	97
23) Bromochloromethane	4.967	128	56323	47.931	ug/L	95
25) Chloroform	5.086	83	190589	47.497	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	165682	48.132	ug/L	99
29) Cyclohexane	5.378	56	128600	46.173	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	187825	45.746	ug/L	98
31) Carbon tetrachloride	5.517	117	171720	45.892	ug/L	100
33) Benzene	5.768	78	371921	46.946	ug/L	100
34) Trichloroethene	6.539	95	104372	46.566	ug/L	97
35) Methylcyclohexane	6.758	83	145664	45.288	ug/L	99
37) 1,2-Dichloropropane	6.787	63	89798	45.331	ug/L	99
38) Bromodichloromethane	7.105	83	147092	45.894	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	163123	48.231	ug/L	98
40) 4-Methyl-2-pentanone	7.809	43	282986	93.611	ug/L #	70
42) Toluene	7.970	91	418367	48.451	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	172066	48.242	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	103950	49.002	ug/L	97
46) Tetrachloroethene	8.552	164	89816	49.107	ug/L	99
48) 2-Hexanone	8.700	43	233514	90.157	ug/L	99
49) Dibromochloromethane	8.816	129	135989	49.861	ug/L	99
50) 1,2-Dibromoethane	8.925	107	118142	48.256	ug/L	95
51) Chlorobenzene	9.449	112	293267	48.696	ug/L	99
52) Ethylbenzene	9.571	91	476711	48.310	ug/L	98
53) m,p-Xylene	9.697	106	192755	48.607	ug/L	98
54) o-Xylene	10.105	106	190092	50.036	ug/L	100
55) Styrene	10.121	104	338945	51.313	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.790	83	181528	49.513	ug/L	97
59) Bromoform	10.301	173	115449	50.572	ug/L	100
60) 1,2,3-Trichloropropane	10.828	75	159743	48.500	ug/L	97
61) Isopropylbenzene	10.488	105	520508	50.891	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	304011	52.284	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	473441	52.362	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	261680	49.613	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	266266	48.648	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	260305	48.521	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	54380	42.703	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	198731	47.272	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	169489	44.576	ug/L	99
71) Naphthalene	14.086	128	508639	40.570	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	168370	44.105	ug/L	99

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

