

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042522\
 Data File : VU048268.D
 Acq On : 25 Apr 2022 14:51
 Operator : SY/MD
 Sample : N2293-23MEMS
 Misc : 6.46g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETNQ5MEMS

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/26/2022
 Supervised By : Mahesh Dadoda 04/26/2022

Quant Time: Apr 26 02:43:45 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	422963	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	448111	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	246232	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	164548m	42.306	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.620%
7) Chloroethane-d5	1.871	69	65728m	24.075	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	48.140%#
11) 1,1-Dichloroethene-d2	2.530	63	257508	41.320	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.640%
21) 2-Butanone-d5	4.639	46	307693	92.753	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.750%
24) Chloroform-d	5.063	84	308936	43.791	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.580%
26) 1,2-Dichloroethane-d4	5.700	65	185985	44.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.860%
32) Benzene-d6	5.719	84	629805	44.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.120%
36) 1,2-Dichloropropane-d6	6.690	67	212646	45.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.020%
41) Toluene-d8	7.896	98	594071	46.374	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.740%
43) trans-1,3-Dichloroprop...	8.185	79	98514	47.783	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.560%
47) 2-Hexanone-d5	8.658	63	241434	95.775	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.780%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	360482	43.991	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.980%
66) 1,2-Dichlorobenzene-d4	12.198	152	254970	46.031	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.379	85	144618m	45.249	ug/L	
3) Chloromethane	1.523	50	167702	45.844	ug/L	100
5) Vinyl chloride	1.604	62	172601m	46.822	ug/L	
6) Bromomethane	1.826	94	49414	29.167	ug/L	99
8) Chloroethane	1.890	64	52667m	25.268	ug/L	
9) Trichlorofluoromethane	2.063	101	133055m	27.696	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	2.536	101	139388	43.747	ug/L	99
12) 1,1-Dichloroethene	2.539	96	119355	42.914	ug/L	86
13) Acetone	2.649	43	166846	78.344	ug/L	98
14) Carbon disulfide	2.755	76	301797	44.523	ug/L	100
15) Methyl Acetate	2.954	43	198596	46.977	ug/L	97
16) Methylene chloride	3.031	84	165258	46.089	ug/L	99
17) trans-1,2-Dichloroethene	3.330	96	134918	46.696	ug/L	97
18) Methyl tert-butyl Ether	3.372	73	470893	49.396	ug/L	100
19) 1,1-Dichloroethane	3.858	63	250348	41.436	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	168133	48.276	ug/L	98
22) 2-Butanone	4.719	43	293387	93.162	ug/L	97
23) Bromochloromethane	4.973	128	88924	45.733	ug/L	99
25) Chloroform	5.086	83	287257	46.560	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	214396	47.642	ug/L	100
29) Cyclohexane	5.372	56	211158	49.873	ug/L	99
30) 1,1,1-Trichloroethane	5.308	97	228892	45.169	ug/L	100
31) Carbon tetrachloride	5.514	117	193507	44.803	ug/L	99
33) Benzene	5.768	78	671925	50.645	ug/L	100
34) Trichloroethene	6.536	95	154157	47.404	ug/L	98
35) Methylcyclohexane	6.755	83	227687	49.870	ug/L	100
37) 1,2-Dichloropropane	6.790	63	179087	47.443	ug/L	100
38) Bromodichloromethane	7.112	83	223223	46.826	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	262537	49.461	ug/L	100
40) 4-Methyl-2-pentanone	7.825	43	560058	98.370	ug/L #	94
42) Toluene	7.970	91	706105	50.692	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	257578	49.673	ug/L	100
45) 1,1,2-Trichloroethane	8.407	97	190185	48.022	ug/L	99
46) Tetrachloroethene	8.552	164	132307	47.405	ug/L	98
48) 2-Hexanone	8.710	43	486181	102.261	ug/L	98
49) Dibromochloromethane	8.819	129	206145	47.369	ug/L	99
50) 1,2-Dibromoethane	8.928	107	200334	49.882	ug/L	99
51) Chlorobenzene	9.452	112	626738	62.422	ug/L	100
52) Ethylbenzene	9.574	91	745075	51.649	ug/L	99
53) m,p-Xylene	9.700	106	293868	51.622	ug/L	98
54) o-Xylene	10.108	106	300130	52.334	ug/L	100
55) Styrene	10.121	104	515141	52.728	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	358633	45.882	ug/L	100
59) Bromoform	10.304	173	168370	47.116	ug/L	99
60) 1,2,3-Trichloropropane	10.832	75	274225	47.739	ug/L	99
61) Isopropylbenzene	10.491	105	774539	56.258	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	404936	55.804	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	632051	56.654	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	382359	49.537	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	379305	48.136	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	389203	47.866	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	72030	46.973	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	299645	52.244	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	241953	53.397	ug/L	99
71) Naphthalene	14.086	128	726465	56.023	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	251397	54.137	ug/L	99

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

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