

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046435.D
 Acq On : 16 Dec 2021 20:33
 Operator : SY/MD
 Sample : M5037-11MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C00W9MSD

Quant Time: Dec 17 01:56:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	146478	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	149170	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	80897	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	54408	45.092	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	90.180%	
7) Chloroethane-d5	1.919	69	40306	43.507	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	87.020%	
11) 1,1-Dichloroethene-d2	2.575	63	93956	43.376	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	86.760%	
21) 2-Butanone-d5	4.636	46	75094	78.288	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	78.290%	
24) Chloroform-d	5.066	84	101703	50.474	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	100.940%	
26) 1,2-Dichloroethane-d4	5.706	65	64031	47.351	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	94.700%	
32) Benzene-d6	5.732	84	192521	45.029	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	90.060%	
36) 1,2-Dichloropropane-d6	6.693	67	60494	45.654	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	91.300%	
41) Toluene-d8	7.899	98	177348	45.558	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	91.120%	
43) trans-1,3-Dichloroprop...	8.182	79	29958	46.836	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	93.680%	
47) 2-Hexanone-d5	8.635	63	60076	95.624	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	95.620%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90717	45.144	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	90.280%	
66) 1,2-Dichlorobenzene-d4	12.195	152	66713	42.822	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	85.640%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	59573	37.382	ug/L	99
3) Chloromethane	1.523	50	51555	36.168	ug/L	98
5) Vinyl chloride	1.607	62	55079	38.322	ug/L	98
6) Bromomethane	1.864	94	30928	37.966	ug/L	100
8) Chloroethane	1.938	64	34388	41.323	ug/L	99
9) Trichlorofluoromethane	2.144	101	88817	47.333	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.587	101	50051	46.960	ug/L	98
12) 1,1-Dichloroethene	2.587	96	42877	42.335	ug/L	88
13) Acetone	2.645	43	60311	50.310	ug/L	98
14) Carbon disulfide	2.800	76	96397	30.677	ug/L	100
15) Methyl Acetate	2.957	43	45710	32.709	ug/L	97
16) Methylene chloride	3.050	84	56347	46.761	ug/L	98
17) trans-1,2-Dichloroethene	3.359	96	48102	44.879	ug/L	99
18) Methyl tert-butyl Ether	3.369	73	176819	53.530	ug/L	99
19) 1,1-Dichloroethane	3.877	63	100664	51.654	ug/L	98
20) cis-1,2-Dichloroethene	4.671	96	59576	51.227	ug/L	99
22) 2-Butanone	4.713	43	95394	73.099	ug/L	96
23) Bromochloromethane	4.980	128	30758	52.365	ug/L	97
25) Chloroform	5.092	83	110538	51.051	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	87231	54.290	ug/L	98
29) Cyclohexane	5.394	56	67765	39.013	ug/L	97
30) 1,1,1-Trichloroethane	5.320	97	95763	52.299	ug/L	99
31) Carbon tetrachloride	5.529	117	79930	51.419	ug/L	99
33) Benzene	5.777	78	221317	49.020	ug/L	100
34) Trichloroethene	6.545	95	55389	46.569	ug/L	99
35) Methylcyclohexane	6.767	83	76559	41.513	ug/L	99
37) 1,2-Dichloropropane	6.796	63	60822	51.427	ug/L	100
38) Bromodichloromethane	7.108	83	85036	54.095	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	91002	50.579	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	179598	103.357	ug/L	99
42) Toluene	7.973	91	238193	49.168	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	93494	52.908	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	63026	53.118	ug/L	98
46) Tetrachloroethene	8.555	164	40201	45.994	ug/L	98
48) 2-Hexanone	8.687	43	142873	91.937	ug/L	99
49) Dibromochloromethane	8.812	129	68394	54.891	ug/L	98
50) 1,2-Dibromoethane	8.925	107	63803	49.598	ug/L	99
51) Chlorobenzene	9.449	112	160178	51.107	ug/L	99
52) Ethylbenzene	9.571	91	257596	49.407	ug/L	99
53) m,p-Xylene	9.697	106	99895	49.130	ug/L	99
54) o-xylene	10.102	106	100029	50.700	ug/L	96
55) Styrene	10.114	104	178887	53.107	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	107408	52.800	ug/L	100
59) Bromoform	10.291	173	49932	52.615	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	89454	50.444	ug/L	99
61) Isopropylbenzene	10.487	105	263180	50.001	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	226235	51.567	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	231025	52.633	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	123782	49.508	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	129165	49.987	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	127194	50.518	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	27469	58.146	ug/L	98
69) 1,3,5-Trichlorobenzene	13.220	180	92902	50.996	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	86345	53.411	ug/L	99
71) Naphthalene	14.089	128	333325	59.252	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	94075	57.066	ug/L	99

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

