

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120321\
 Data File : VU046077.D
 Acq On : 03 Dec 2021 16:32
 Operator : SY/MD
 Sample : M4869-04MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESQN3MSD

Quant Time: Dec 04 03:08:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	237255	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	231844	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	123862	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	61284	31.357	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	62.720%		
7) Chloroethane-d5	1.916	69	51979	34.640	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	69.280%#		
11) 1,1-Dichloroethene-d2	2.575	63	135538	38.632	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.260%		
21) 2-Butanone-d5	4.636	46	145557	93.688	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.690%		
24) Chloroform-d	5.067	84	147113	45.075	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.160%		
26) 1,2-Dichloroethane-d4	5.703	65	92457	42.212	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.420%		
32) Benzene-d6	5.729	84	279999	42.136	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.280%		
36) 1,2-Dichloropropane-d6	6.694	67	90864	44.121	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	88.240%		
41) Toluene-d8	7.899	98	251105	41.503	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.000%		
43) trans-1,3-Dichloroprop...	8.179	79	45175	45.441	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.880%		
47) 2-Hexanone-d5	8.633	63	104341	106.858	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.860%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	149209	47.775	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.540%		
66) 1,2-Dichlorobenzene-d4	12.195	152	105536	44.243	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.480%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	129743	50.263	ug/L	100
3) Chloromethane	1.520	50	110791	47.987	ug/L	100
5) Vinyl chloride	1.607	62	122520	52.630	ug/L	100
6) Bromomethane	1.861	94	71774	54.396	ug/L	98
8) Chloroethane	1.938	64	65473	48.574	ug/L	97
9) Trichlorofluoromethane	2.141	101	153461	50.492	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	92339	53.488	ug/L	97
12) 1,1-Dichloroethene	2.585	96	89011	54.259	ug/L	82
13) Acetone	2.652	43	99909	51.454	ug/L	95
14) Carbon disulfide	2.797	76	267979	52.652	ug/L	100
15) Methyl Acetate	2.954	43	117535	51.925	ug/L	99
16) Methylene chloride	3.051	84	101705	52.109	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	96468	55.567	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	312107	58.335	ug/L	100
19) 1,1-Dichloroethane	3.874	63	175909	55.728	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	109214	57.977	ug/L	96
22) 2-Butanone	4.713	43	166218	78.637	ug/L	98
23) Bromochloromethane	4.977	128	54753	57.550	ug/L	93
25) Chloroform	5.089	83	183059	52.196	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	140055	53.815	ug/L	98
29) Cyclohexane	5.391	56	157022	58.163	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	160855	56.522	ug/L	99
31) Carbon tetrachloride	5.527	117	137451	56.891	ug/L	98
33) Benzene	5.777	78	396628	56.524	ug/L	100
34) Trichloroethene	6.546	95	101745	55.039	ug/L	99
35) Methylcyclohexane	6.764	83	165625	57.783	ug/L	99
37) 1,2-Dichloropropane	6.793	63	103296	56.195	ug/L	99
38) Bromodichloromethane	7.108	83	136735	55.965	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	168562	60.279	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	305913	113.271	ug/L	99
42) Toluene	7.970	91	438072	58.181	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	160372	58.391	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	103827	56.301	ug/L	98
46) Tetrachloroethene	8.555	164	79396	58.445	ug/L	96
48) 2-Hexanone	8.684	43	239516	99.166	ug/L	98
49) Dibromochloromethane	8.813	129	113824	58.776	ug/L	96
50) 1,2-Dibromoethane	8.925	107	114627	57.331	ug/L	98
51) Chlorobenzene	9.449	112	278088	57.088	ug/L	98
52) Ethylbenzene	9.571	91	478492	59.049	ug/L	98
53) m,p-Xylene	9.694	106	189922	60.098	ug/L	98
54) o-xylene	10.102	106	182298	59.450	ug/L	94
55) Styrene	10.115	104	314064	59.990	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.784	83	172134	54.444	ug/L	98
59) Bromoform	10.292	173	82656	56.885	ug/L	98
60) 1,2,3-Trichloropropane	10.825	75	144824	53.339	ug/L	99
61) Isopropylbenzene	10.485	105	481338	59.727	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	415214	61.813	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	413991	61.601	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	222415	58.101	ug/L	96
65) 1,4-Dichlorobenzene	11.838	146	224872	56.838	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	216836	56.248	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	40647	56.195	ug/L	94
69) 1,3,5-Trichlorobenzene	13.221	180	164904	59.120	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	151351	61.147	ug/L	99
71) Naphthalene	14.086	128	561032	65.136	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	154428	61.182	ug/L	100

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

