

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110121\
 Data File : VU045485.D
 Acq On : 01 Nov 2021 13:07
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Quant Time: Nov 02 02:46:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 02 02:33:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	304515	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	292121	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	143388	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	100598	40.588	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.180%
7) Chloroethane-d5	1.916	69	91587	46.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.220%
11) 1,1-Dichloroethene-d2	2.571	63	147196	33.440	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.880%
21) 2-Butanone-d5	4.629	46	217174	104.705	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.700%
24) Chloroform-d	5.067	84	204056	45.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.780%
26) 1,2-Dichloroethane-d4	5.706	65	141414	48.094	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.180%
32) Benzene-d6	5.732	84	421805	46.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.440%
36) 1,2-Dichloropropane-d6	6.694	67	139835	47.852	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.700%
41) Toluene-d8	7.899	98	368461	46.786	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.580%
43) trans-1,3-Dichloroprop...	8.182	79	64181	46.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.500%
47) 2-Hexanone-d5	8.632	63	153959	98.702	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.700%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	208878	47.631	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.260%
66) 1,2-Dichlorobenzene-d4	12.195	152	139783	48.186	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6164	2.291	ug/L	99
3) Chloromethane	1.520	50	8186	2.520	ug/L	100
5) Vinyl chloride	1.607	62	7827	2.562	ug/L	83
6) Bromomethane	1.861	94	4265	2.713	ug/L	91
8) Chloroethane	1.935	64	5057	2.803	ug/L	94
9) Trichlorofluoromethane	2.144	101	8982	2.485	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	6357	2.886	ug/L #	85
12) 1,1-Dichloroethene	2.584	96	6086	2.928	ug/L #	1
13) Acetone	2.642	43	9084	5.340	ug/L	97
14) Carbon disulfide	2.797	76	14726	2.478	ug/L	99
15) Methyl Acetate	2.957	43	7998	2.783	ug/L	96
16) Methylene chloride	3.051	84	7016	2.735	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	5540	2.491	ug/L	92
18) Methyl tert-butyl Ether	3.369	73	19298	2.475	ug/L	99
19) 1,1-Dichloroethane	3.877	63	11225	2.533	ug/L	95
20) cis-1,2-Dichloroethene	4.668	96	6330	2.495	ug/L	95
22) 2-Butanone	4.716	43	11145	4.797	ug/L	100
23) Bromochloromethane	4.980	128	3075	2.518	ug/L	97
25) Chloroform	5.096	83	12037	2.714	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	9792	2.699	ug/L	99
29) Cyclohexane	5.391	56	9736	2.325	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	9077	2.447	ug/L #	85
31) Carbon tetrachloride	5.530	117	6906	2.355	ug/L	100
33) Benzene	5.777	78	24836	2.451	ug/L	100
34) Trichloroethene	6.546	95	6047	2.486	ug/L	94
35) Methylcyclohexane	6.767	83	9655	2.284	ug/L	98
37) 1,2-Dichloropropane	6.793	63	6410	2.383	ug/L #	92
38) Bromodichloromethane	7.108	83	8035	2.376	ug/L	96
39) cis-1,3-Dichloropropene	7.610	75	9839	2.391	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	19327	4.868	ug/L	99
42) Toluene	7.973	91	31154	2.955	ug/L	97
44) trans-1,3-Dichloropropene	8.214	75	10133	2.611	ug/L	87
45) 1,1,2-Trichloroethane	8.404	97	6091	2.438	ug/L	92
46) Tetrachloroethene	8.558	164	4038	2.340	ug/L	95
48) 2-Hexanone	8.687	43	19629	5.936	ug/L	98
49) Dibromochloromethane	8.812	129	6011	2.497	ug/L	94
50) 1,2-Dibromoethane	8.928	107	6467	2.467	ug/L #	97
51) Chlorobenzene	9.449	112	16223	2.546	ug/L	97
52) Ethylbenzene	9.574	91	27519	2.461	ug/L	96
53) m,p-Xylene	9.697	106	10384	2.426	ug/L	97
54) o-xylene	10.102	106	9622	2.270	ug/L	95
55) Styrene	10.118	104	15902	2.233	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	11558	2.604	ug/L	96
59) Bromoform	10.291	173	3884	2.349	ug/L #	98
60) 1,2,3-Trichloropropane	10.825	75	9322	2.640	ug/L	96
61) Isopropylbenzene	10.488	105	25553	2.411	ug/L	97
62) 1,3,5-Trimethylbenzene	11.092	105	20144	2.231	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	20691	2.255	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	11951	2.550	ug/L	95
65) 1,4-Dichlorobenzene	11.838	146	12153	2.563	ug/L	97
67) 1,2-Dichlorobenzene	12.214	146	12424	2.561	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	2453	2.379	ug/L	98
69) 1,3,5-Trichlorobenzene	13.224	180	8450	2.444	ug/L	96
70) 1,2,4-trichlorobenzene	13.844	180	7786	2.465	ug/L	98
71) Naphthalene	14.089	128	28316	2.352	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	8134	2.516	ug/L	98

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

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