

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021722\
 Data File : VU047201.D
 Acq On : 17 Feb 2022 13:13
 Operator : SY/MD
 Sample : N1331-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2022-02

Quant Time: Feb 18 00:56:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 18 00:54:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	354385	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	353731	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	193617	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	124767	38.765	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.540%
7) Chloroethane-d5	1.916	69	107274	44.962	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.920%
11) 1,1-Dichloroethene-d2	2.572	63	163798	30.710	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.420%
21) 2-Butanone-d5	4.623	46	250016	100.160	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.160%
24) Chloroform-d	5.067	84	235432	45.058	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.120%
26) 1,2-Dichloroethane-d4	5.707	65	156477	46.658	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.320%
32) Benzene-d6	5.732	84	482482	41.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.060%
36) 1,2-Dichloropropane-d6	6.694	67	158733	41.622	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.240%
41) Toluene-d8	7.903	98	459418	41.030	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.060%
43) trans-1,3-Dichloroprop...	8.182	79	78174	39.115	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.220%
47) 2-Hexanone-d5	8.632	63	184761	84.564	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.560%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	243554	43.798	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	194003	42.249	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	7608	2.304	ug/L	99
3) Chloromethane	1.527	50	8445	2.585	ug/L	99
5) Vinyl chloride	1.607	62	8224	2.498	ug/L #	75
6) Bromomethane	1.858	94	4807	2.510	ug/L	94
8) Chloroethane	1.938	64	4602	2.424	ug/L	91
9) Trichlorofluoromethane	2.144	101	9741	2.555	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	7057	3.005	ug/L	89
12) 1,1-Dichloroethene	2.584	96	6299	2.733	ug/L #	1
13) Acetone	2.633	43	10069	5.537	ug/L	98
14) Carbon disulfide	2.800	76	16927	2.340	ug/L	100
15) Methyl Acetate	2.957	43	7820	2.556	ug/L	91
16) Methylene chloride	3.051	84	7194	2.821	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	5546	2.291	ug/L	83
18) Methyl tert-butyl Ether	3.369	73	18857	2.303	ug/L #	94
19) 1,1-Dichloroethane	3.874	63	10492	2.307	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	7051	2.633	ug/L	95
22) 2-Butanone	4.713	43	12601	5.165	ug/L	76
23) Bromochloromethane	4.980	128	3438	2.421	ug/L	96
27) 1,2-Dichloroethane	5.800	62	9701	2.741	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.395	56	9855	2.126	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	9545	2.253	ug/L	98
31) Carbon tetrachloride	5.526	117	7993	2.176	ug/L	96
33) Benzene	5.780	78	25028	2.268	ug/L	100
35) Methylcyclohexane	6.768	83	10979	2.283	ug/L	97
37) 1,2-Dichloropropane	6.793	63	6599	2.233	ug/L #	91
38) Bromodichloromethane	7.112	83	8687	2.306	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	10410	2.167	ug/L	98
40) 4-Methyl-2-pentanone	7.793	43	20547	4.390	ug/L #	91
42) Toluene	7.973	91	35141	2.900	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	10062	2.180	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	6344	2.279	ug/L	98
46) Tetrachloroethene	8.555	164	5734	2.487	ug/L	87
48) 2-Hexanone	8.690	43	34186	8.833	ug/L	98
49) Dibromochloromethane	8.813	129	7279	2.260	ug/L	95
50) 1,2-Dibromoethane	8.925	107	7200	2.329	ug/L	98
51) Chlorobenzene	9.452	112	18695	2.406	ug/L	99
52) Ethylbenzene	9.575	91	31072	2.343	ug/L	100
53) m,p-Xylene	9.700	106	12062	2.292	ug/L	90
54) o-xylene	10.102	106	11814	2.280	ug/L	87
55) Styrene	10.118	104	19128	2.146	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	12746	2.598	ug/L #	98
59) Bromoform	10.292	173	5414	2.060	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	9363	2.269	ug/L	99
61) Isopropylbenzene	10.488	105	30339	2.229	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	20189	2.093	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	26688	2.279	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	14749	2.322	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	15467	2.423	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	15392	2.435	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	3003	2.284	ug/L	93
69) 1,3,5-Trichlorobenzene	13.221	180	12055	2.454	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	12255	2.632	ug/L	98
71) Naphthalene	14.089	128	44045	2.672	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	12792	2.759	ug/L	97

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

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