

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022421\
 Data File : VU042421.D
 Acq On : 24 Feb 2021 11:15
 Operator : SY/MD
 Sample : M1344-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2021-04

Manual Integrations
 APPROVED

SAM
 2/26/2021 4:50:16 PM

Quant Time: Feb 25 02:14:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 25 02:14:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	209020	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	194148	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	98876	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	71216	45.27	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.54%		
7) Chloroethane-d5	1.916	69	59608	55.26	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	110.52%		
11) 1,1-Dichloroethene-d2	2.575	63	127408	37.95	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.90%		
21) 2-Butanone-d5	4.639	46	167087	102.66	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.66%		
24) Chloroform-d	5.073	84	153357	48.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.08%		
26) 1,2-Dichloroethane-d4	5.713	65	114880	51.40	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.80%		
32) Benzene-d6	5.735	84	283884	50.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.66%		
36) 1,2-Dichloropropane-d6	6.700	67	94600	50.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.42%		
41) Toluene-d8	7.906	98	260806	48.81	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.62%		
43) trans-1,3-Dichloroprop...	8.189	79	48626	49.64	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.28%		
47) 2-Hexanone-d5	8.645	63	108238	101.59	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.59%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	135815	48.42	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.84%		
66) 1,2-Dichlorobenzene-d4	12.201	152	103807	50.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.14%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	3697	2.11	ug/L	100
3) Chloromethane	1.523	50	3663	2.29	ug/L	93
5) Vinyl chloride	1.607	62	3909	2.47	ug/L #	58
6) Bromomethane	1.861	94	2571	2.90	ug/L	84
8) Chloroethane	1.935	64	2296	2.64	ug/L #	81
9) Trichlorofluoromethane	2.144	101	5484	2.24	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	4351	2.97	ug/L #	78
12) 1,1-Dichloroethene	2.584	96	3757	2.80	ug/L #	1
13) Acetone	2.645	43	7055	4.80	ug/L	99
14) Carbon disulfide	2.800	76	8705	2.15	ug/L	98
15) Methyl Acetate	2.967	43	4804	2.12	ug/L	97
16) Methylene chloride	3.054	84	3560	2.35	ug/L	95
17) trans-1,2-Dichloroethene	3.366	96	3085	2.21	ug/L	87
18) Methyl tert-butyl Ether	3.372	73	11173	2.22	ug/L #	91
19) 1,1-Dichloroethane	3.880	63	6197	2.14	ug/L	93
20) cis-1,2-Dichloroethene	4.674	96	3484	2.22	ug/L	95
22) 2-Butanone	4.719	43	8053	4.23	ug/L	99
23) Bromochloromethane	4.983	128	1858	2.23	ug/L	95
25) Chloroform	5.099	83	6466	2.20	ug/L	92

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27) 1,2-Dichloroethane	5.803	62	5906	2.27	ug/L	96
29) Cyclohexane	5.398	56	5420	2.10	ug/L	96
30) 1,1,1-Trichloroethane	5.327	97	5692	2.14	ug/L	96
31) Carbon tetrachloride	5.530	117	4611m	2.02	ug/L	
33) Benzene	5.784	78	13609	2.29	ug/L	100
34) Trichloroethene	6.552	95	3594	2.31	ug/L	97
35) Methylcyclohexane	6.774	83	4968	2.07	ug/L	95
37) 1,2-Dichloropropane	6.796	63	3849	2.32	ug/L #	89
38) Bromodichloromethane	7.115	83	4658	2.09	ug/L	99
39) cis-1,3-Dichloropropene	7.616	75	5113	1.98	ug/L	90
40) 4-Methyl-2-pentanone	7.800	43	13957	4.25	ug/L	99
42) Toluene	7.976	91	13468	2.12	ug/L	99
44) trans-1,3-Dichloropropene	8.218	75	5212	2.04	ug/L	97
45) 1,1,2-Trichloroethane	8.407	97	3331	2.19	ug/L	89
46) Tetrachloroethene	8.562	164	2589	2.11	ug/L	92
48) 2-Hexanone	8.697	43	12337	4.64	ug/L	97
49) Dibromochloromethane	8.819	129	3347	1.89	ug/L	97
50) 1,2-Dibromoethane	8.931	107	3524	2.06	ug/L #	98
51) Chlorobenzene	9.455	112	8685	2.16	ug/L	97
52) Ethylbenzene	9.578	91	14532	2.06	ug/L	91
53) m,p-Xylene	9.700	106	5688	2.16	ug/L	88
54) o-xylene	10.108	106	5460	2.09	ug/L	98
55) Styrene	10.124	104	8876	1.98	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	6372	2.30	ug/L	91
59) Bromoform	10.301	173	2745	1.98	ug/L	99
60) 1,2,3-Trichloropropane	10.832	75	4806	2.21	ug/L	95
61) Isopropylbenzene	10.494	105	14316	2.18	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	12028	2.11	ug/L	100
63) 1,2,4-Trimethylbenzene	11.475	105	11266	1.96	ug/L	98
64) 1,3-Dichlorobenzene	11.754	146	6670	2.15	ug/L	97
65) 1,4-Dichlorobenzene	11.844	146	7100	2.25	ug/L	97
67) 1,2-Dichlorobenzene	12.221	146	7016	2.20	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	13.005	75	1431	1.97	ug/L	93
69) 1,3,5-Trichlorobenzene	13.227	180	4719	1.97	ug/L	94
70) 1,2,4-trichlorobenzene	13.848	180	3795	1.89	ug/L	99
71) Naphthalene	14.095	128	9747	1.54	ug/L	98
72) 1,2,3-Trichlorobenzene	14.339	180	3715	1.82	ug/L	98

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

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