

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080221\
 Data File : VW021719.D
 Acq On : 02 Aug 2021 15:05
 Operator : SY/MD
 Sample : M3263-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2021-07

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 4:10:33 PM

Quant Time: Aug 03 02:13:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 03 02:08:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	430429	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	391954	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	198351	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	124634	46.108	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.220%		
7) Chloroethane-d5	1.558	69	104934	47.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.140%		
11) 1,1-Dichloroethene-d2	2.105	63	180719	37.380	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.760%		
21) 2-Butanone-d5	3.870	46	218240	93.989	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.990%		
24) Chloroform-d	4.346	84	263292	45.954	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.900%		
26) 1,2-Dichloroethane-d4	5.030	65	163577	47.740	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.480%		
32) Benzene-d6	5.047	84	550973	49.596	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.200%		
36) 1,2-Dichloropropane-d6	6.069	67	175413	49.817	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.640%		
41) Toluene-d8	7.317	98	504361	49.070	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.140%		
43) trans-1,3-Dichloroprop...	7.622	79	81840	47.104	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.200%		
47) 2-Hexanone-d5	8.088	63	134954	87.898	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.900%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	211987	45.681	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.360%		
66) 1,2-Dichlorobenzene-d4	11.625	152	197609	48.118	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.240%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	5926	2.080	ug/L	93
3) Chloromethane	1.240	50	6019	2.143	ug/L	99
5) Vinyl chloride	1.307	62	6138	2.145	ug/L #	60
6) Bromomethane	1.506	94	4007m	2.547	ug/L	
8) Chloroethane	1.574	64	3897	2.226	ug/L	97
9) Trichlorofluoromethane	1.748	101	8284	1.989	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	6553	2.789	ug/L #	77
12) 1,1-Dichloroethene	2.111	96	5914	2.746	ug/L #	1
13) Acetone	2.159	43	6538	4.292	ug/L	98
14) Carbon disulfide	2.291	76	12087	2.094	ug/L	100
15) Methyl Acetate	2.432	43	6377	2.006	ug/L	90
16) Methylene chloride	2.506	84	9042	3.084	ug/L	95
17) trans-1,2-Dichloroethene	2.764	96	5022	1.976	ug/L	93
18) Methyl tert-butyl Ether	2.767	73	18337	2.048	ug/L	97
19) 1,1-Dichloroethane	3.191	63	9856	1.989	ug/L	88
20) cis-1,2-Dichloroethene	3.915	96	6092	2.024	ug/L	95
22) 2-Butanone	4.011	43	10030m	4.525	ug/L	
23) Bromochloromethane	4.256	128	3147	1.947	ug/L #	89
25) Chloroform	4.378	83	13466	2.589	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.140	62	8362m	2.274	ug/L	
29) Cyclohexane	4.677	56	8066	2.057	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	9020	2.039	ug/L	99
31) Carbon tetrachloride	4.831	117	7156	1.880	ug/L	95
33) Benzene	5.104	78	21656m	2.055	ug/L	
34) Trichloroethene	5.918	95	6562	2.197	ug/L	94
35) Methylcyclohexane	6.133	83	8162	2.005	ug/L	97
37) 1,2-Dichloropropane	6.182	63	6361	2.265	ug/L #	88
38) Bromodichloromethane	6.516	83	7375	1.923	ug/L	99
39) cis-1,3-Dichloropropene	7.034	75	8833	1.985	ug/L	98
40) 4-Methyl-2-pentanone	7.233	43	15806	3.863	ug/L	96
42) Toluene	7.394	91	30172	2.655	ug/L	95
44) trans-1,3-Dichloropropene	7.657	75	8848	2.074	ug/L	100
45) 1,1,2-Trichloroethane	7.847	97	5831	2.039	ug/L	96
46) Tetrachloroethene	7.979	164	4452	2.017	ug/L	99
48) 2-Hexanone	8.143	43	25899	8.259	ug/L #	86
49) Dibromochloromethane	8.252	129	6138	1.884	ug/L	98
50) 1,2-Dibromoethane	8.358	107	6114	2.012	ug/L #	96
51) Chlorobenzene	8.886	112	15690	2.066	ug/L	99
52) Ethylbenzene	9.017	91	24842	2.013	ug/L	98
53) m,p-Xylene	9.143	106	9960	2.080	ug/L	99
54) o-Xylene	9.548	106	9953	2.065	ug/L	89
55) Styrene	9.567	104	14450	1.790	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.239	83	9278	2.173	ug/L #	96
59) Bromoform	9.738	173	4014	1.750	ug/L	90
60) Isopropylbenzene	9.937	105	24375	1.989	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	7213	2.046	ug/L	96
62) 1,3,5-Trimethylbenzene	10.541	105	20158	1.943	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	21158	2.004	ug/L	100
64) 1,3-Dichlorobenzene	11.188	146	11780	1.995	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	12476	2.100	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	12588	2.087	ug/L #	94
68) 1,2-Dibromo-3-chloropr...	12.429	75	1450	1.562	ug/L	93
69) 1,3,5-Trichlorobenzene	12.651	180	7469	1.700	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	5427	1.465	ug/L	95
71) Naphthalene	13.509	128	13335	1.243	ug/L	99
72) 1,2,3-Trichlorobenzene	13.750	180	5535	1.504	ug/L	99

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

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