

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080321\
 Data File : VW021726.D
 Acq On : 03 Aug 2021 11:20
 Operator : SY/MD
 Sample : M3263-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2021-08

Manual Integrations
 APPROVED

MMDadoda
 8/4/2021 1:45:24 PM

Quant Time: Aug 04 01:12:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 04 01:10:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	428486	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	393893	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	193811	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	112056	41.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.280%
7) Chloroethane-d5	1.564	69	99433	44.803	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.105	63	169051	35.125	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.260%
21) 2-Butanone-d5	3.870	46	216388	93.614	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.610%
24) Chloroform-d	4.346	84	261087	45.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.560%
26) 1,2-Dichloroethane-d4	5.027	65	161140	47.242	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.480%
32) Benzene-d6	5.047	84	541651	48.517	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.040%
36) 1,2-Dichloropropane-d6	6.069	67	169802	47.986	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.980%
41) Toluene-d8	7.313	98	496234	48.042	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.080%
43) trans-1,3-Dichloroprop...	7.622	79	81516	46.687	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.380%
47) 2-Hexanone-d5	8.085	63	137162	88.896	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.900%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	207670	44.530	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.060%
66) 1,2-Dichlorobenzene-d4	11.625	152	193393	48.194	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	5432	1.916	ug/L	95
3) Chloromethane	1.240	50	5556	1.987	ug/L	96
5) Vinyl chloride	1.310	62	5948	2.088	ug/L #	75
6) Bromomethane	1.516	94	3460	2.209	ug/L	91
8) Chloroethane	1.581	64	3522	2.021	ug/L	92
9) Trichlorofluoromethane	1.751	101	8101	1.954	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	6134	2.623	ug/L #	80
12) 1,1-Dichloroethene	2.114	96	5318	2.480	ug/L #	1
13) Acetone	2.166	43	6548	4.318	ug/L	94
14) Carbon disulfide	2.291	76	11303	1.967	ug/L	99
15) Methyl Acetate	2.436	43	6172	1.950	ug/L	99
16) Methylene chloride	2.503	84	6722	2.303	ug/L	94
17) trans-1,2-Dichloroethene	2.761	96	5073	2.005	ug/L	96
18) Methyl tert-butyl Ether	2.770	73	16218	1.819	ug/L	94
19) 1,1-Dichloroethane	3.185	63	9033	1.831	ug/L	97
20) cis-1,2-Dichloroethene	3.915	96	5778m	1.929	ug/L	
22) 2-Butanone	3.989	43	9856m	4.467	ug/L	
23) Bromochloromethane	4.259	128	3030	1.883	ug/L	87
25) Chloroform	4.371	83	12669	2.447	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.137	62	6894	1.884	ug/L	98
29) Cyclohexane	4.677	56	7622	1.934	ug/L #	86
30) 1,1,1-Trichloroethane	4.609	97	8444	1.899	ug/L	98
31) Carbon tetrachloride	4.828	117	6856	1.792	ug/L	96
33) Benzene	5.105	78	20791	1.963	ug/L	100
34) Trichloroethene	5.918	95	6329	2.109	ug/L	94
35) Methylcyclohexane	6.130	83	7928	1.938	ug/L	98
37) 1,2-Dichloropropane	6.178	63	6030	2.136	ug/L	99
38) Bromodichloromethane	6.516	83	7319	1.899	ug/L	98
39) cis-1,3-Dichloropropene	7.037	75	8684	1.942	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	14495	3.525	ug/L	99
42) Toluene	7.394	91	29571	2.589	ug/L	100
44) trans-1,3-Dichloropropene	7.661	75	8614m	2.009	ug/L	
45) 1,1,2-Trichloroethane	7.844	97	5510	1.917	ug/L	94
46) Tetrachloroethene	7.979	164	4197	1.892	ug/L	97
48) 2-Hexanone	8.143	43	26211	8.317	ug/L #	91
49) Dibromochloromethane	8.249	129	5489	1.677	ug/L	94
50) 1,2-Dibromoethane	8.358	107	5515	1.806	ug/L #	95
51) Chlorobenzene	8.886	112	14626	1.917	ug/L	99
52) Ethylbenzene	9.018	91	22624	1.824	ug/L	99
53) m,p-Xylene	9.143	106	8867	1.842	ug/L	89
54) o-Xylene	9.548	106	9423	1.946	ug/L	85
55) Styrene	9.567	104	14207	1.751	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	8691	2.026	ug/L #	97
59) Bromoform	9.738	173	3449	1.539	ug/L #	90
60) Isopropylbenzene	9.934	105	22847	1.908	ug/L	98
61) 1,2,3-Trichloropropane	10.275	75	6985	2.028	ug/L	96
62) 1,3,5-Trimethylbenzene	10.542	105	19261	1.900	ug/L	100
63) 1,2,4-Trimethylbenzene	10.918	105	19742	1.914	ug/L	98
64) 1,3-Dichlorobenzene	11.188	146	11048	1.915	ug/L	95
65) 1,4-Dichlorobenzene	11.275	146	11915	2.052	ug/L	95
67) 1,2-Dichlorobenzene	11.644	146	11877	2.015	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.435	75	1373	1.514	ug/L	89
69) 1,3,5-Trichlorobenzene	12.651	180	7645	1.781	ug/L	95
70) 1,2,4-trichlorobenzene	13.268	180	5774	1.595	ug/L	97
71) Naphthalene	13.509	128	12755	1.217	ug/L	99
72) 1,2,3-Trichlorobenzene	13.747	180	5558	1.545	ug/L	93

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

