

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120523\
 Data File : VW033104.D
 Acq On : 05 Dec 2023 12:48
 Operator : SY/MD
 Sample : 04696-02
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Dec 06 01:25:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 06 01:18:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	324948	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	316707	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	175453	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	81021	41.709	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.420%
7) Chloroethane-d5	1.532	69	57960	42.823	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.640%
11) 1,1-Dichloroethene-d2	2.060	65	31012	41.965	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.940%
21) 2-Butanone-d5	3.780	46	88300	91.520	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.520%
24) Chloroform-d	4.246	84	180149	43.700	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	4.937	65	115873	45.209	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.420%
32) Benzene-d6	4.957	84	335777	45.332	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.660%
36) 1,2-Dichloropropane-d6	5.986	67	94088	47.243	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.480%
41) Toluene-d8	7.243	98	306544	43.383	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.760%
43) trans-1,3-Dichloroprop...	7.551	79	51937	41.241	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.480%
47) 2-Hexanone-d5	8.021	63	70549	88.177	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.180%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	128507	45.391	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.780%
66) 1,2-Dichlorobenzene-d4	11.561	152	148383	47.532	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	6987	1.967	ug/L	99
3) Chloromethane	1.214	50	4714	2.012	ug/L	90
5) Vinyl chloride	1.285	62	4835	2.152	ug/L #	79
6) Bromomethane	1.487	94	3053	2.082	ug/L	94
8) Chloroethane	1.548	64	2740	2.291	ug/L	96
9) Trichlorofluoromethane	1.716	101	7371	1.988	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	4823	2.770	ug/L #	88
12) 1,1-Dichloroethene	2.069	96	4404	2.703	ug/L #	1
13) Acetone	2.111	43	3756	4.078	ug/L	94
14) Carbon disulfide	2.243	76	11881	2.033	ug/L	99
15) Methyl Acetate	2.381	43	3112	2.027	ug/L #	79
16) Methylene chloride	2.445	84	4340	2.012	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	4144	1.937	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	11879	1.828	ug/L	97
19) 1,1-Dichloroethane	3.117	63	7169	2.025	ug/L	90
20) cis-1,2-Dichloroethene	3.822	96	4582	2.019	ug/L	87
22) 2-Butanone	3.905	43	4499m	3.838	ug/L	
23) Bromochloromethane	4.156	128	2369	1.818	ug/L	93
25) Chloroform	4.275	83	9756	2.396	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	6395	1.988	ug/L	97
29) Cyclohexane	4.574	56	5830	1.993	ug/L	95
30) 1,1,1-Trichloroethane	4.510	97	7802	1.993	ug/L	99
31) Carbon tetrachloride	4.741	117	8131	2.234	ug/L	93
33) Benzene	5.014	78	15571	1.940	ug/L	100
34) Trichloroethene	5.844	95	4926m	2.054	ug/L	
35) Methylcyclohexane	6.050	83	7004m	2.013	ug/L	
37) 1,2-Dichloropropane	6.095	63	4156m	2.238	ug/L	
38) Bromodichloromethane	6.436	83	6447	2.153	ug/L	95
39) cis-1,3-Dichloropropene	6.960	75	6687	1.984	ug/L	83
40) 4-Methyl-2-pentanone	7.166	43	6303	3.196	ug/L	98
42) Toluene	7.323	91	17940	1.984	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	6488	1.904	ug/L	94
45) 1,1,2-Trichloroethane	7.776	97	4350	2.020	ug/L	91
46) Tetrachloroethene	7.908	164	4128	2.003	ug/L	92
48) 2-Hexanone	8.085	43	10083m	6.167	ug/L	
49) Dibromochloromethane	8.182	129	5046	1.963	ug/L	89
50) 1,2-Dibromoethane	8.291	107	4546	1.980	ug/L #	96
51) Chlorobenzene	8.818	112	12959	2.038	ug/L	98
52) Ethylbenzene	8.950	91	18353	1.763	ug/L	95
53) m,p-Xylene	9.075	106	7227	1.753	ug/L	84
54) o-Xylene	9.484	106	7736	1.902	ug/L	88
55) Styrene	9.503	104	11347	1.612	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	6344	2.156	ug/L	99
59) Bromoform	9.673	173	3690	1.938	ug/L #	68
60) Isopropylbenzene	9.870	105	19011	1.879	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	4232	1.934	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	14052	1.724	ug/L	95
63) 1,2,4-Trimethylbenzene	10.857	105	14802	1.744	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	10749	1.989	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	11665	2.078	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	11455	2.162	ug/L	88
68) 1,2-Dibromo-3-chloropr...	12.371	75	1329	1.980	ug/L #	86
69) 1,3,5-Trichlorobenzene	12.583	180	8672	2.003	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	7883	1.971	ug/L	95
71) Naphthalene	13.445	128	17479	1.792	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	7271	1.884	ug/L	95

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

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