

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022023\
 Data File : VW030073.D
 Acq On : 20 Feb 2023 13:03
 Operator : SY/MD
 Sample : 01378-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Feb 20 23:06:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 22:59:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/21/2023
 Supervised By :Mahesh Dadoda 02/21/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	434263	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	407087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	238374	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	102463	33.186	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	66.380%		
7) Chloroethane-d5	1.535	69	94032	39.802	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	79.600%		
11) 1,1-Dichloroethene-d2	2.066	63	158893	26.902	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.800%#		
21) 2-Butanone-d5	3.793	46	178284	92.528	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	92.530%		
24) Chloroform-d	4.259	84	241882	42.148	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.300%		
26) 1,2-Dichloroethane-d4	4.950	65	146635	43.227	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.460%		
32) Benzene-d6	4.969	84	457036	42.272	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.540%		
36) 1,2-Dichloropropane-d6	5.995	67	158457	46.091	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.180%		
41) Toluene-d8	7.249	98	425594	41.711	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.420%		
43) trans-1,3-Dichloroprop...	7.558	79	74185	43.421	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.840%		
47) 2-Hexanone-d5	8.030	63	151851	94.745	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.740%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	237094	45.977	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.960%		
66) 1,2-Dichlorobenzene-d4	11.570	152	197456	46.510	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	12920	2.811	ug/L	99
3) Chloromethane	1.217	50	22663	3.842	ug/L	99
5) Vinyl chloride	1.285	62	12376	3.013	ug/L #	82
6) Bromomethane	1.490	94	2705	3.623	ug/L	87
8) Chloroethane	1.551	64	7504	3.131	ug/L	98
9) Trichlorofluoromethane	1.719	101	16609	3.050	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	11440	3.433	ug/L	93
12) 1,1-Dichloroethene	2.072	96	9996	3.334	ug/L #	1
13) Acetone	2.124	43	10239	6.924	ug/L	95
14) Carbon disulfide	2.246	76	24434	2.756	ug/L #	94
15) Methyl Acetate	2.381	43	8232	2.677	ug/L	100
16) Methylene chloride	2.455	84	11639	3.546	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	8310	2.712	ug/L	93
18) Methyl tert-butyl Ether	2.709	73	27327	2.802	ug/L	98
19) 1,1-Dichloroethane	3.121	63	16594	2.938	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	9858	2.909	ug/L	99
22) 2-Butanone	3.902	43	12337m	5.946	ug/L	
23) Bromochloromethane	4.165	128	5227m	2.893	ug/L	
25) Chloroform	4.288	83	18412	3.198	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	13080	3.042	ug/L	100
29) Cyclohexane	4.590	56	13933	2.937	ug/L	99
30) 1,1,1-Trichloroethane	4.522	97	14785	2.924	ug/L	96
31) Carbon tetrachloride	4.744	117	12970	2.922	ug/L	100
33) Benzene	5.024	78	36311	3.023	ug/L	100
34) Trichloroethene	5.844	95	9739	2.979	ug/L	95
35) Methylcyclohexane	6.059	83	15337	2.955	ug/L	96
37) 1,2-Dichloropropane	6.104	63	10014	3.166	ug/L #	93
38) Bromodichloromethane	6.442	83	12198	2.871	ug/L #	99
39) cis-1,3-Dichloropropene	6.963	75	14164	2.664	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	20629	5.246	ug/L	98
42) Toluene	7.326	91	38527	2.931	ug/L	95
44) trans-1,3-Dichloropropene	7.590	75	14269m	2.951	ug/L	
45) 1,1,2-Trichloroethane	7.779	97	9539	2.906	ug/L	98
46) Tetrachloroethene	7.915	164	7915	2.880	ug/L	98
48) 2-Hexanone	8.088	43	19248m	6.351	ug/L	
49) Dibromochloromethane	8.185	129	9410	2.765	ug/L	98
50) 1,2-Dibromoethane	8.294	107	10158	2.820	ug/L	97
51) Chlorobenzene	8.821	112	25690	2.933	ug/L	99
52) Ethylbenzene	8.956	91	40208	2.763	ug/L	100
53) m,p-Xylene	9.082	106	15008	2.699	ug/L	99
54) o-Xylene	9.487	106	14327	2.674	ug/L	100
55) Styrene	9.506	104	23996	2.622	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	15970	2.976	ug/L	96
59) Bromoform	9.673	173	6791	2.877	ug/L	98
60) Isopropylbenzene	9.876	105	38576	2.721	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	11523	2.922	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	30642	2.610	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	29572	2.563	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	21157	2.962	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	21404	2.928	ug/L	93
67) 1,2-Dichlorobenzene	11.590	146	21336	3.000	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.377	75	3169	2.754	ug/L	91
69) 1,3,5-Trichlorobenzene	12.593	180	16244	2.850	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	15172	2.832	ug/L	98
71) Naphthalene	13.451	128	36712	2.362	ug/L	99
72) 1,2,3-Trichlorobenzene	13.692	180	14734	2.802	ug/L	97

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

