

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071423\
 Data File : VW031704.D
 Acq On : 14 Jul 2023 11:21
 Operator : SY/MD
 Sample : 03573-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 15 05:35:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 15 05:25:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	174136	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	193903	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	79793	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	79780	5.173	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.400%
7) Chloroethane-d5	1.532	69	74708	5.344	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.800%
11) 1,1-Dichloroethene-d2	2.060	65	40922	5.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.400%
20) 2-Butanone-d5	3.822	46	173006	43.913	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.820%
24) Chloroform-d	4.252	84	173460	5.280	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.600%
26) 1,2-Dichloroethane-d4	4.947	65	84275	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	4.963	84	266768	4.819	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	5.992	67	104291	5.083	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.249	98	201894	3.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.400%
43) trans-1,3-Dichloroprop...	7.561	79	28666	4.424	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.034	63	120121	39.915	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.820%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	71582	4.755	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.200%
66) 1,2-Dichlorobenzene-d4	11.567	152	73508	5.290	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	4967	0.263	ug/L	94
3) Chloromethane	1.214	50	5472	0.279	ug/L	94
5) Vinyl chloride	1.281	62	6105	0.326	ug/L #	35
6) Bromomethane	1.487	94	3218	0.281	ug/L	84
8) Chloroethane	1.548	64	3475m	0.320	ug/L	
9) Trichlorofluoromethane	1.712	101	7521	0.278	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	5684	0.383	ug/L #	80
12) 1,1-Dichloroethene	2.069	96	5027	0.370	ug/L #	1
13) Acetone	2.150	43	9488m	3.785	ug/L	
14) Carbon disulfide	2.236	76	11395	0.270	ug/L	98
15) Methyl Acetate	2.394	43	1199	0.224	ug/L #	84
16) Methylene chloride	2.449	84	7373	0.408	ug/L	89
17) Methyl tert-butyl Ether	2.719	73	6384	0.256	ug/L #	81
18) trans-1,2-Dichloroethene	2.696	96	3612	0.307	ug/L	81
19) 1,1-Dichloroethane	3.121	63	6190	0.241	ug/L #	81
22) cis-1,2-Dichloroethene	3.818	96	2996	0.258	ug/L	93
23) Bromochloromethane	4.156	128	1586m	0.271	ug/L	
27) 1,2-Dichloroethane	5.063	62	4320	0.272	ug/L #	89
29) 1,1,1-Trichloroethane	4.516	97	5965	0.255	ug/L #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) Cyclohexane	4.587	56	3932	0.231	ug/L #	84
31) Carbon tetrachloride	4.741	117	5527	0.267	ug/L	93
33) Benzene	5.014	78	12000	0.244	ug/L	100
34) Trichloroethene	5.844	95	3359	0.240	ug/L	90
35) Methylcyclohexane	6.050	83	3322	0.192	ug/L #	82
37) 1,2-Dichloropropane	6.104	63	4433	0.314	ug/L #	97
38) Bromodichloromethane	6.442	83	4831	0.257	ug/L #	87
39) cis-1,3-Dichloropropene	6.969	75	1997	0.113	ug/L	84
40) 4-Methyl-2-pentanone	7.175	43	13019m	1.723	ug/L	
42) Toluene	7.326	91	12159	0.256	ug/L	96
44) trans-1,3-Dichloropropene	7.593	75	3874	0.252	ug/L #	69
45) 1,1,2-Trichloroethane	7.783	97	2635	0.251	ug/L #	87
47) Tetrachloroethene	7.908	164	2462	0.255	ug/L #	55
48) 2-Hexanone	8.091	43	23793m	4.297	ug/L	
49) Dibromochloromethane	8.185	129	2579	0.229	ug/L	93
50) 1,2-Dibromoethane	8.300	107	2707	0.276	ug/L #	90
51) Chlorobenzene	8.821	112	8464	0.270	ug/L #	79
52) Ethylbenzene	8.956	91	8511	0.180	ug/L	95
53) m,p-Xylene	9.082	106	3331	0.191	ug/L	99
54) o-Xylene	9.490	106	2538	0.157	ug/L	61
55) Styrene	9.506	104	3935	0.129	ug/L	88
57) 1,1,2,2-Tetrachloroethane	10.185	83	3094	0.278	ug/L #	96
59) Bromoform	9.670	173	1533	0.288	ug/L #	46
60) Isopropylbenzene	9.876	105	7975	0.226	ug/L #	87
61) 1,2,3-Trichloropropane	10.214	75	2458	0.347	ug/L #	87
62) 1,3,5-Trimethylbenzene	10.484	105	6923	0.243	ug/L	96
63) 1,2,4-Trimethylbenzene	10.863	105	6653	0.234	ug/L	93
64) 1,3-Dichlorobenzene	11.127	146	4838	0.254	ug/L	89
65) 1,4-Dichlorobenzene	11.214	146	5443	0.270	ug/L #	88
67) 1,2-Dichlorobenzene	11.583	146	5200	0.285	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	347	0.238	ug/L #	64
69) 1,3,5-Trichlorobenzene	12.590	180	3826	0.275	ug/L #	89
70) 1,2,4-trichlorobenzene	13.204	180	2859	0.259	ug/L #	17
71) Naphthalene	13.455	128	4388	0.246	ug/L	97
72) 1,2,3-Trichlorobenzene	13.686	180	2554	0.251	ug/L	93

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

