

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101323\
 Data File : VX038279.D
 Acq On : 13 Oct 2023 12:33
 Operator : JC/MD
 Sample : 04699-09 0.2PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Oct 14 00:56:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 14 00:55:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/16/2023
 Supervised By : Mahesh Dadoda 10/16/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	122803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	215179	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	100225	50.741	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.480%			
35) Dibromofluoromethane	5.385	113	74370	47.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.940%			
50) Toluene-d8	8.647	98	284118	47.954	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.900%			
62) 4-Bromofluorobenzene	11.079	95	105107	46.794	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	62	0.052	ug/l #	41
3) Chloromethane	1.307	50	131	0.108	ug/l #	43
4) Vinyl Chloride	1.374	62	148	0.110	ug/l #	80
5) Bromomethane	1.611	94	163	0.089	ug/l #	69
6) Chloroethane	1.691	64	330m	0.278	ug/l	
7) Trichlorofluoromethane	1.886	101	350	0.132	ug/l #	78
8) Diethyl Ether	2.130	74	79	0.080	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.325	101	98	0.085	ug/l #	20
10) Methyl Iodide	2.459	142	70	0.042	ug/l #	72
11) Tert butyl alcohol	2.947	59	173	0.360	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	22	0.020	ug/l #	32
13) Acrolein	2.239	56	61	0.217	ug/l #	20
14) Allyl chloride	2.660	41	184	0.092	ug/l #	57
15) Acrylonitrile	3.075	53	285	0.317	ug/l #	81
16) Acetone	2.386	43	567	0.688	ug/l #	84
17) Carbon Disulfide	2.508	76	649	0.200	ug/l #	76
18) Methyl Acetate	2.709	43	363	0.103	ug/l #	69
19) Methyl tert-butyl Ether	3.111	73	201	0.045	ug/l #	54
20) Methylene Chloride	2.788	84	570	0.368	ug/l #	71
21) trans-1,2-Dichloroethene	3.087	96	106	0.076	ug/l #	52
22) Diisopropyl ether	3.757	45	242	0.057	ug/l #	58
23) Vinyl Acetate	3.739	43	880m	0.285	ug/l	
24) 1,1-Dichloroethane	3.605	63	84	0.033	ug/l #	83
25) 2-Butanone	4.593	43	540m	0.406	ug/l	
26) 2,2-Dichloropropane	4.489	77	25	0.013	ug/l #	54
27) cis-1,2-Dichloroethene	4.507	96	90	0.054	ug/l #	1
29) Tetrahydrofuran	5.019	42	113	0.130	ug/l #	48
30) Chloroform	5.099	83	155	0.055	ug/l #	19
31) Cyclohexane	5.458	56	103	0.048	ug/l #	18
32) 1,1,1-Trichloroethane	5.391	97	85	0.036	ug/l #	23
36) 1,1-Dichloropropene	5.708	75	141m	0.066	ug/l	
37) Ethyl Acetate	4.721	43	62	0.024	ug/l #	69
38) Carbon Tetrachloride	5.702	117	145m	0.069	ug/l	
39) Methylcyclohexane	7.385	83	132	0.053	ug/l #	45
40) Benzene	6.037	78	550m	0.092	ug/l	
41) Methacrylonitrile	5.032	41	157	0.124	ug/l #	29

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.098	62	329	0.138	ug/l #	77
43) Isopropyl Acetate	6.361	43	34	0.009	ug/l #	62
44) Trichloroethene	7.141	130	106	0.068	ug/l	1
45) 1,2-Dichloropropane	7.434	63	54	0.035	ug/l #	44
46) Dibromomethane	7.598	93	52	0.043	ug/l #	7
47) Bromodichloromethane	7.818	83	160	0.075	ug/l #	78
48) Methyl methacrylate	7.415	41	20	0.011	ug/l #	16
49) 1,4-Dioxane	7.677	88	20	0.448	ug/l #	12
51) 4-Methyl-2-Pentanone	8.574	43	875	0.335	ug/l	93
52) Toluene	8.726	92	378	0.097	ug/l	97
53) t-1,3-Dichloropropene	8.994	75	136	0.059	ug/l #	43
54) cis-1,3-Dichloropropene	8.372	75	140	0.058	ug/l #	29
55) 1,1,2-Trichloroethane	9.165	97	74	0.044	ug/l #	52
56) Ethyl methacrylate	9.128	69	55	0.022	ug/l #	1
57) 1,3-Dichloropropane	9.317	76	157	0.058	ug/l #	67
58) 2-Chloroethyl Vinyl ether	8.257	63	395	0.315	ug/l #	81
59) 2-Hexanone	9.445	43	617	0.294	ug/l	78
60) Dibromochloromethane	9.519	129	45	0.028	ug/l #	46
61) 1,2-Dibromoethane	9.616	107	108	0.060	ug/l #	71
64) Tetrachloroethene	9.275	164	170	0.123	ug/l #	58
65) Chlorobenzene	10.079	112	488	0.109	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	93	0.061	ug/l #	29
67) Ethyl Benzene	10.201	91	734	0.092	ug/l	91
68) m/p-Xylenes	10.299	106	547	0.177	ug/l	88
69) o-Xylene	10.646	106	228	0.076	ug/l	92
70) Styrene	10.659	104	315	0.064	ug/l #	74
71) Bromoform	10.799	173	21m	0.017	ug/l	
73) Isopropylbenzene	10.969	105	634	0.087	ug/l	98
74) N-amyl acetate	10.848	43	58	0.019	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	11.213	83	143	0.053	ug/l #	63
76) 1,2,3-Trichloropropane	11.238	75	262m	0.106	ug/l	
77) Bromobenzene	11.207	156	154	0.087	ug/l	61
78) n-propylbenzene	11.311	91	805	0.090	ug/l	86
79) 2-Chlorotoluene	11.366	91	463	0.088	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	641	0.102	ug/l	81
82) 4-Chlorotoluene	11.463	91	624	0.100	ug/l	94
83) tert-Butylbenzene	11.713	119	567	0.092	ug/l	86
84) 1,2,4-Trimethylbenzene	11.756	105	587	0.094	ug/l	96
85) sec-Butylbenzene	11.896	105	771	0.097	ug/l	84
86) p-Isopropyltoluene	12.012	119	623	0.095	ug/l #	24
87) 1,3-Dichlorobenzene	11.975	146	435	0.122	ug/l	88
88) 1,4-Dichlorobenzene	12.042	146	677m	0.185	ug/l	
89) n-Butylbenzene	12.341	91	646	0.099	ug/l #	91
90) Hexachloroethane	12.536	117	66	0.061	ug/l #	17
91) 1,2-Dichlorobenzene	12.341	146	360	0.105	ug/l #	77
93) 1,2,4-Trichlorobenzene	13.597	180	360	0.156	ug/l	91
94) Hexachlorobutadiene	13.725	225	93	0.100	ug/l #	48
95) Naphthalene	13.780	128	769	0.096	ug/l #	73
96) 1,2,3-Trichlorobenzene	13.963	180	313	0.140	ug/l	73

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

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