

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101922\
 Data File : VN074930.D
 Acq On : 19 Oct 2022 14:31
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Oct 20 06:06:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101922W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:04:28 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/20/2022
 Supervised By : Mahesh Dadoda 10/20/2022

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	229398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	385336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	388481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	169599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	4510	1.136	ug/l	96
3) Chloromethane	2.383	50	7911	1.320	ug/l	92
4) Vinyl Chloride	2.542	62	10594	1.111	ug/l #	59
6) Chloroethane	3.147	64	11799	1.457	ug/l #	74
7) Trichlorofluoromethane	3.512	101	6633	1.059	ug/l	97
8) Diethyl Ether	3.977	74	3107m	1.084	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.394	101	3428m	0.874	ug/l	
12) 1,1-Dichloroethene	4.365	96	4756m	1.327	ug/l	
14) Allyl chloride	5.059	41	7935m	1.136	ug/l	
15) Acrylonitrile	5.759	53	14235m	4.447	ug/l	
16) Acetone	4.459	43	13400	4.842	ug/l	97
17) Carbon Disulfide	4.718	76	9660	1.159	ug/l #	89
18) Methyl Acetate	5.065	43	11094	1.130	ug/l #	67
19) Methyl tert-butyl Ether	5.818	73	14676	1.048	ug/l #	76
20) Methylene Chloride	5.294	84	7535	1.371	ug/l #	69
21) trans-1,2-Dichloroethene	5.788	96	4564m	1.142	ug/l	
22) Diisopropyl ether	6.694	45	13094	0.864	ug/l #	94
23) Vinyl Acetate	6.624	43	53028m	4.584	ug/l	
24) 1,1-Dichloroethane	6.588	63	9520m	1.134	ug/l	
25) 2-Butanone	7.512	43	20088m	4.469	ug/l	
26) 2,2-Dichloropropane	7.512	77	5705m	0.817	ug/l	
27) cis-1,2-Dichloroethene	7.500	96	5507	1.044	ug/l	81
28) Bromochloromethane	7.818	49	4069m	1.091	ug/l	
29) Tetrahydrofuran	7.859	42	15880	5.481	ug/l #	63
30) Chloroform	7.965	83	9980	1.188	ug/l	85
32) 1,1,1-Trichloroethane	8.182	97	8787	1.236	ug/l #	47
36) 1,1-Dichloropropene	8.388	75	6625	1.148	ug/l #	63
37) Ethyl Acetate	7.577	43	7427	0.871	ug/l #	85
38) Carbon Tetrachloride	8.377	117	6595	1.166	ug/l #	58
39) Methylcyclohexane	9.618	83	6513	0.972	ug/l #	79
40) Benzene	8.612	78	20808	1.121	ug/l #	90
41) Methacrylonitrile	7.812	41	3950	0.883	ug/l #	68
42) 1,2-Dichloroethane	8.677	62	6539	1.031	ug/l	87
43) Isopropyl Acetate	8.694	43	14162	1.099	ug/l #	74
44) Trichloroethene	9.353	130	4886	1.135	ug/l	65
45) 1,2-Dichloropropane	9.623	63	6301	1.236	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.712	93	3207	0.966	ug/l	95
47) Bromodichloromethane	9.894	83	7091	1.133	ug/l #	67
48) Methyl methacrylate	9.682	41	7324	1.300	ug/l #	77
49) 1,4-Dioxane	9.706	88	2585m	20.601	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	35595	4.119	ug/l	100
52) Toluene	10.635	92	11782	1.014	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	6531	0.979	ug/l #	78
54) cis-1,3-Dichloropropene	10.318	75	6490	0.882	ug/l #	83
55) 1,1,2-Trichloroethane	11.012	97	4577	0.949	ug/l #	92
56) Ethyl methacrylate	10.876	69	7452	1.000	ug/l #	86
57) 1,3-Dichloropropane	11.159	76	9162	1.087	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	13919	4.432	ug/l	100
59) 2-Hexanone	11.200	43	25086	3.946	ug/l	98
60) Dibromochloromethane	11.359	129	4665	0.988	ug/l	74
61) 1,2-Dibromoethane	11.470	107	4573	0.960	ug/l	81
64) Tetrachloroethene	11.100	164	4104	1.267	ug/l #	61
65) Chlorobenzene	11.888	112	11454	1.018	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.965	131	3954	0.929	ug/l #	59
67) Ethyl Benzene	11.965	91	17843	0.918	ug/l	96
68) m/p-Xylenes	12.082	106	13013	1.738	ug/l	90
69) o-Xylene	12.394	106	7915	1.028	ug/l	88
70) Styrene	12.412	104	11168	0.966	ug/l #	92
71) Bromoform	12.588	173	2891	0.992	ug/l #	85
73) Isopropylbenzene	12.694	105	15886	1.027	ug/l	94
74) N-amyl acetate	12.494	43	8606	1.113	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	7305	1.231	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	5202	1.228	ug/l	91
77) Bromobenzene	12.970	156	4199	1.242	ug/l	79
78) n-propylbenzene	13.041	91	17014	0.985	ug/l	87
79) 2-Chlorotoluene	13.129	91	9805	0.980	ug/l	89
80) 1,3,5-Trimethylbenzene	13.182	105	11668	0.948	ug/l	99
82) 4-Chlorotoluene	13.129	91	9805	0.980	ug/l	89
83) tert-Butylbenzene	13.441	119	11278	1.019	ug/l	88
84) 1,2,4-Trimethylbenzene	13.482	105	10269	0.871	ug/l	84
85) sec-Butylbenzene	13.623	105	14506	0.969	ug/l	85
86) p-Isopropyltoluene	13.729	119	9766	0.842	ug/l	92
87) 1,3-Dichlorobenzene	13.741	146	5145	0.865	ug/l	94
88) 1,4-Dichlorobenzene	13.811	146	5502m	0.937	ug/l	
89) n-Butylbenzene	14.053	91	8498	0.885	ug/l	92
90) Hexachloroethane	14.329	117	2590	1.016	ug/l	61
91) 1,2-Dichlorobenzene	14.100	146	6284	1.100	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	14.717	75	917	0.902	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	3133	1.132	ug/l	78
94) Hexachlorobutadiene	15.505	225	1916	1.302	ug/l	99
95) Naphthalene	15.647	128	11225	1.039	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	2950	0.976	ug/l	74

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

