

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030623\
 Data File : VN076853.D
 Acq On : 06 Mar 2023 17:14
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/07/2023
 Supervised By :Semsettin Yesilyurt 03/07/2023

Quant Time: Mar 07 01:39:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 01:38:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	569637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1036819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	879054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	328277	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	2.143	85	6911	1.043	ug/l	95
3) Chloromethane	2.378	50	10346	1.187	ug/l	88
4) Vinyl Chloride	2.531	62	8925	1.117	ug/l	94
6) Chloroethane	3.125	64	8255	1.005	ug/l #	83
7) Trichlorofluoromethane	3.507	101	12351	1.059	ug/l	94
8) Diethyl Ether	3.972	74	4254m	0.948	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.366	101	7068	1.037	ug/l #	24
12) 1,1-Dichloroethene	4.354	96	6499	1.022	ug/l #	77
14) Allyl chloride	5.025	41	10567m	0.996	ug/l	
15) Acrylonitrile	5.743	53	18506	4.852	ug/l	99
16) Acetone	4.454	43	20020	5.743	ug/l	99
17) Carbon Disulfide	4.725	76	18154	1.052	ug/l	98
18) Methyl Acetate	5.049	43	13055	1.093	ug/l #	80
19) Methyl tert-butyl Ether	5.825	73	21429	0.983	ug/l	100
20) Methylene Chloride	5.290	84	10006	1.230	ug/l #	83
21) trans-1,2-Dichloroethene	5.784	96	6959	1.012	ug/l #	65
22) Diisopropyl ether	6.684	45	22438	0.940	ug/l #	90
23) Vinyl Acetate	6.619	43	72031	4.736	ug/l #	93
24) 1,1-Dichloroethane	6.572	63	13835	1.016	ug/l	94
25) 2-Butanone	7.495	43	24590	4.829	ug/l	91
26) 2,2-Dichloropropane	7.495	77	10040	1.007	ug/l	92
27) cis-1,2-Dichloroethene	7.495	96	8290	1.030	ug/l	75
28) Bromochloromethane	7.825	49	6416	1.114	ug/l #	79
29) Tetrahydrofuran	7.854	42	15078	4.590	ug/l #	79
30) Chloroform	7.978	83	13982	1.034	ug/l	90
32) 1,1,1-Trichloroethane	8.184	97	12383	1.057	ug/l #	50
36) 1,1-Dichloropropene	8.378	75	10271	0.985	ug/l	94
37) Ethyl Acetate	7.572	43	10683	0.998	ug/l #	94
38) Carbon Tetrachloride	8.372	117	11490	1.085	ug/l	95
39) Methylcyclohexane	9.607	83	12401	0.965	ug/l #	86
40) Benzene	8.607	78	31399	0.989	ug/l #	88
41) Methacrylonitrile	7.784	41	5699	0.975	ug/l #	82
42) 1,2-Dichloroethane	8.672	62	11659	1.054	ug/l	95
43) Isopropyl Acetate	8.689	43	15054	0.919	ug/l #	89
44) Trichloroethene	9.354	130	7379	0.980	ug/l	87
45) 1,2-Dichloropropane	9.625	63	7986	0.973	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.707	93	5209	0.999	ug/l	94
47) Bromodichloromethane	9.889	83	10678	0.997	ug/l	96
48) Methyl methacrylate	9.689	41	7098	0.892	ug/l #	84
49) 1,4-Dioxane	9.701	88	2886	19.781	ug/l #	77
51) 4-Methyl-2-Pentanone	10.448	43	45173	4.372	ug/l	87
52) Toluene	10.636	92	16437	0.869	ug/l	89
53) t-1,3-Dichloropropene	10.836	75	9016	0.868	ug/l #	88
54) cis-1,3-Dichloropropene	10.313	75	10920	0.915	ug/l #	92
55) 1,1,2-Trichloroethane	11.019	97	7038	0.936	ug/l	91
56) Ethyl methacrylate	10.878	69	9595	0.856	ug/l #	86
57) 1,3-Dichloropropane	11.166	76	12406	0.950	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.160	63	14191	3.655	ug/l	93
59) 2-Hexanone	11.195	43	33063	4.416	ug/l	88
60) Dibromochloromethane	11.360	129	6567	0.886	ug/l	95
61) 1,2-Dibromoethane	11.466	107	6894	0.954	ug/l	99
64) Tetrachloroethene	11.101	164	6192	0.947	ug/l	98
65) Chlorobenzene	11.895	112	19894	1.047	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	7211	1.049	ug/l #	65
67) Ethyl Benzene	11.966	91	31433	0.911	ug/l	97
68) m/p-Xylenes	12.072	106	23705	1.827	ug/l	100
69) o-Xylene	12.401	106	11532	0.902	ug/l	90
70) Styrene	12.413	104	16059	0.801	ug/l #	90
71) Bromoform	12.583	173	4377	0.936	ug/l #	93
73) Isopropylbenzene	12.695	105	26345	0.921	ug/l	96
74) N-amyl acetate	12.495	43	10505	0.939	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.942	83	10471	1.142	ug/l	95
76) 1,2,3-Trichloropropane	12.995	75	8949m	1.082	ug/l	
77) Bromobenzene	12.983	156	6599	1.042	ug/l	81
78) n-propylbenzene	13.042	91	27945	0.856	ug/l	100
79) 2-Chlorotoluene	13.130	91	21366	1.021	ug/l	90
80) 1,3,5-Trimethylbenzene	13.177	105	21199	0.884	ug/l	91
82) 4-Chlorotoluene	13.224	91	18449	0.930	ug/l	93
83) tert-Butylbenzene	13.442	119	17834	0.870	ug/l	86
84) 1,2,4-Trimethylbenzene	13.489	105	19720	0.834	ug/l	98
85) sec-Butylbenzene	13.619	105	22864	0.799	ug/l	97
86) p-Isopropyltoluene	13.730	119	18237	0.797	ug/l	96
87) 1,3-Dichlorobenzene	13.736	146	11427	0.988	ug/l	92
88) 1,4-Dichlorobenzene	13.813	146	12766m	1.087	ug/l	
89) n-Butylbenzene	14.060	91	18023	0.912	ug/l	94
90) Hexachloroethane	14.336	117	4056	0.981	ug/l	81
91) 1,2-Dichlorobenzene	14.107	146	12670	1.082	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.719	75	1651	0.950	ug/l	88
93) 1,2,4-Trichlorobenzene	15.395	180	5780	0.986	ug/l	100
94) Hexachlorobutadiene	15.507	225	3217	1.055	ug/l	87
95) Naphthalene	15.636	128	15889	0.847	ug/l	98
96) 1,2,3-Trichlorobenzene	15.842	180	5253	0.912	ug/l	94

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

Reviewed By :John Carlone 03/07/2023
Supervised By :Semsettin Yesilyurt 03/07/2023

TIC: VN076853.D\data.ms

Abundance

Time-->

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acetone, T
Carbon Disulfide, T
Methylene Chloride, T
Nitrobenzene, T
1,1-Dichloroethane, P
1,2-Dichlorobenzene, T
Pentachlorobenzene, I
1,4-Difluorobenzene, I
Trichloroethene, TM
Bromochloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Toluene, CM
Ethyl acetate, T
Isopropyl benzene, T
Naphthalene, T
Hexachlorocyclopentadiene, T
1,2-Dibromobenzene, T
1,4-Dichlorobenzene-d4, I
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
1,2,3-Trichlorobenzene, T