

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077025.D
 Acq On : 17 Mar 2023 09:25
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Mar 18 02:26:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	374617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	694412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	580100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	220900	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	2.137	85	5795	0.463	ug/l	97
3) Chloromethane	2.372	50	4500	1.192	ug/l	97
4) Vinyl Chloride	2.537	62	4378	1.075	ug/l #	79
6) Chloroethane	3.143	64	3163	1.227	ug/l #	88
7) Trichlorofluoromethane	3.507	101	10177	1.161	ug/l	99
8) Diethyl Ether	3.972	74	3641	1.104	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.384	101	6132	1.233	ug/l	98
12) 1,1-Dichloroethene	4.348	96	5307	1.167	ug/l	82
14) Allyl chloride	5.025	41	9014	1.083	ug/l #	80
15) Acrylonitrile	5.731	53	15373	5.244	ug/l	96
16) Acetone	4.448	43	15833	5.938	ug/l	92
17) Carbon Disulfide	4.725	76	17019	1.283	ug/l #	95
18) Methyl Acetate	5.048	43	10557	1.050	ug/l	100
19) Methyl tert-butyl Ether	5.807	73	17477	1.071	ug/l	95
20) Methylene Chloride	5.289	84	7283	1.259	ug/l	97
21) trans-1,2-Dichloroethene	5.807	96	5629	1.142	ug/l #	82
22) Diisopropyl ether	6.678	45	18479	1.013	ug/l #	86
23) Vinyl Acetate	6.613	43	51339	4.460	ug/l	98
24) 1,1-Dichloroethane	6.578	63	11978	1.147	ug/l	95
25) 2-Butanone	7.495	43	19974	5.121	ug/l	100
26) 2,2-Dichloropropane	7.495	77	8122	1.034	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	5662	1.003	ug/l	90
28) Bromochloromethane	7.813	49	5570	1.229	ug/l #	94
29) Tetrahydrofuran	7.854	42	12403	4.907	ug/l	94
30) Chloroform	7.966	83	11416	1.127	ug/l	91
32) 1,1,1-Trichloroethane	8.178	97	9511	1.098	ug/l #	52
36) 1,1-Dichloropropene	8.383	75	7912	1.042	ug/l	97
37) Ethyl Acetate	7.560	43	8326	1.025	ug/l #	90
38) Carbon Tetrachloride	8.366	117	7763	1.049	ug/l #	88
39) Methylcyclohexane	9.607	83	8756	0.985	ug/l	98
40) Benzene	8.613	78	24532	1.065	ug/l #	89
41) Methacrylonitrile	7.789	41	4709	1.100	ug/l #	91
42) 1,2-Dichloroethane	8.683	62	9228	1.109	ug/l	100
43) Isopropyl Acetate	8.695	43	12369	0.974	ug/l	94
44) Trichloroethene	9.348	130	6346	1.199	ug/l	70
45) 1,2-Dichloropropane	9.619	63	6554	1.071	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.713	93	4290	1.112	ug/l	97
47) Bromodichloromethane	9.889	83	9128	1.128	ug/l #	94
48) Methyl methacrylate	9.689	41	5727	0.944	ug/l	95
49) 1,4-Dioxane	9.707	88	1982	19.120	ug/l #	79
51) 4-Methyl-2-Pentanone	10.448	43	36659	4.637	ug/l	96
52) Toluene	10.630	92	13442	0.977	ug/l	94
53) t-1,3-Dichloropropene	10.842	75	7517	0.948	ug/l	97
54) cis-1,3-Dichloropropene	10.319	75	8460	0.945	ug/l #	87
55) 1,1,2-Trichloroethane	11.019	97	5283	0.974	ug/l #	88
56) Ethyl methacrylate	10.877	69	7044	0.864	ug/l	99
57) 1,3-Dichloropropane	11.166	76	10634	1.071	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.166	63	14715	4.232	ug/l	97
59) 2-Hexanone	11.195	43	25721	4.486	ug/l	96
60) Dibromochloromethane	11.360	129	5497	1.009	ug/l	97
61) 1,2-Dibromoethane	11.477	107	6002	1.116	ug/l	87
64) Tetrachloroethene	11.101	164	4499	1.156	ug/l #	82
65) Chlorobenzene	11.895	112	15295	1.146	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.960	131	5721	1.158	ug/l #	61
67) Ethyl Benzene	11.966	91	24489	1.010	ug/l	98
68) m/p-Xylenes	12.071	106	17708	1.969	ug/l	92
69) o-Xylene	12.401	106	9057	1.014	ug/l	91
70) Styrene	12.418	104	11886	0.855	ug/l	97
71) Bromoform	12.583	173	3348	1.000	ug/l #	97
73) Isopropylbenzene	12.701	105	19564	0.988	ug/l	97
74) N-amyl acetate	12.501	43	8371	0.977	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	8908	1.242	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	5526m	0.967	ug/l	
77) Bromobenzene	12.983	156	4835	1.090	ug/l	91
78) n-propylbenzene	13.042	91	20786	0.910	ug/l	100
79) 2-Chlorotoluene	13.130	91	14759	1.014	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	14557	0.881	ug/l	99
82) 4-Chlorotoluene	13.224	91	13685	0.988	ug/l	95
83) tert-Butylbenzene	13.436	119	13310	0.959	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	14549	0.882	ug/l	98
85) sec-Butylbenzene	13.624	105	17312	0.877	ug/l	100
86) p-Isopropyltoluene	13.736	119	13982	0.882	ug/l	96
87) 1,3-Dichlorobenzene	13.736	146	9721	1.160	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	9914m	1.189	ug/l	
89) n-Butylbenzene	14.059	91	13304	0.957	ug/l	92
90) Hexachloroethane	14.330	117	3688	1.144	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	9540	1.142	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.730	75	1521	1.145	ug/l	88
93) 1,2,4-Trichlorobenzene	15.401	180	3680	0.974	ug/l	97
94) Hexachlorobutadiene	15.506	225	2321	1.116	ug/l	94
95) Naphthalene	15.648	128	9335	2.524	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.842	180	3958	1.044	ug/l	96

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

Manual Integrations APPROVED

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