

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076916.D
 Acq On : 10 Mar 2023 11:22
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Mar 10 11:44:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 11:43:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	459072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	773022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	653079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	261246	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	7522	1.408	ug/l	86
3) Chloromethane	2.378	50	5548	0.790	ug/l #	80
4) Vinyl Chloride	2.537	62	4419	0.686	ug/l	97
6) Chloroethane	3.131	64	3023m	0.690	ug/l	
7) Trichlorofluoromethane	3.513	101	11641	1.239	ug/l	96
8) Diethyl Ether	3.984	74	3554	0.983	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.366	101	6104m	1.111	ug/l	
12) 1,1-Dichloroethene	4.360	96	5521	1.078	ug/l #	88
14) Allyl chloride	5.048	41	7889	0.922	ug/l #	84
15) Acrylonitrile	5.743	53	14511	4.721	ug/l #	87
16) Acetone	4.472	43	13705	4.878	ug/l #	79
17) Carbon Disulfide	4.725	76	15860	1.140	ug/l #	87
18) Methyl Acetate	5.048	43	10471	1.088	ug/l	93
19) Methyl tert-butyl Ether	5.813	73	18920	1.077	ug/l	96
20) Methylene Chloride	5.284	84	7547	1.151	ug/l #	91
21) trans-1,2-Dichloroethene	5.795	96	5823	1.051	ug/l #	79
22) Diisopropyl ether	6.684	45	17363	0.902	ug/l #	78
23) Vinyl Acetate	6.613	43	47261m	3.856	ug/l	
24) 1,1-Dichloroethane	6.578	63	11220	1.023	ug/l	95
25) 2-Butanone	7.495	43	18415	4.487	ug/l	89
26) 2,2-Dichloropropane	7.501	77	10296	1.281	ug/l	87
27) cis-1,2-Dichloroethene	7.501	96	6581	1.014	ug/l	85
28) Bromochloromethane	7.819	49	3500	0.754	ug/l #	99
29) Tetrahydrofuran	7.848	42	10213	3.858	ug/l	90
30) Chloroform	7.966	83	11900	1.092	ug/l #	77
32) 1,1,1-Trichloroethane	8.178	97	10889	1.154	ug/l #	47
36) 1,1-Dichloropropene	8.378	75	8004	1.030	ug/l	94
37) Ethyl Acetate	7.566	43	4480	0.562	ug/l #	77
38) Carbon Tetrachloride	8.366	117	9579	1.213	ug/l #	94
39) Methylcyclohexane	9.601	83	9427	0.984	ug/l	95
40) Benzene	8.613	78	25125	1.061	ug/l	98
41) Methacrylonitrile	7.789	41	4423	1.015	ug/l #	86
42) 1,2-Dichloroethane	8.672	62	10329	1.252	ug/l	93
43) Isopropyl Acetate	8.689	43	11798	0.966	ug/l	94
44) Trichloroethene	9.354	130	7132	1.270	ug/l	97
45) 1,2-Dichloropropane	9.636	63	6485	1.060	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.713	93	4311	1.109	ug/l	96
47) Bromodichloromethane	9.889	83	8981	1.124	ug/l	95
48) Methyl methacrylate	9.683	41	5757	0.970	ug/l #	80
49) 1,4-Dioxane	9.695	88	1970	18.111	ug/l #	75
51) 4-Methyl-2-Pentanone	10.448	43	33416	4.338	ug/l	96
52) Toluene	10.630	92	14391	1.021	ug/l	97
53) t-1,3-Dichloropropene	10.836	75	8094	1.045	ug/l #	81
54) cis-1,3-Dichloropropene	10.319	75	9446	1.062	ug/l	95
55) 1,1,2-Trichloroethane	11.013	97	5973	1.065	ug/l #	87
56) Ethyl methacrylate	10.883	69	8472	1.014	ug/l #	66
57) 1,3-Dichloropropane	11.166	76	11028	1.133	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.166	63	12873	4.446	ug/l	92
59) 2-Hexanone	11.195	43	24668	4.419	ug/l	88
60) Dibromochloromethane	11.366	129	6293	1.139	ug/l	95
61) 1,2-Dibromoethane	11.472	107	6012	1.115	ug/l	97
64) Tetrachloroethene	11.107	164	6052	1.245	ug/l #	76
65) Chlorobenzene	11.895	112	16511	1.170	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.960	131	6317	1.237	ug/l #	65
67) Ethyl Benzene	11.966	91	27832	1.086	ug/l	93
68) m/p-Xylenes	12.072	106	21402	2.220	ug/l	95
69) o-Xylene	12.401	106	10029	1.056	ug/l	87
70) Styrene	12.413	104	14991	1.007	ug/l #	89
71) Bromoform	12.577	173	4326	1.245	ug/l #	93
73) Isopropylbenzene	12.701	105	25534	1.121	ug/l	90
74) N-amyl acetate	12.495	43	8183	0.919	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.942	83	8548	1.171	ug/l	91
76) 1,2,3-Trichloropropane	12.995	75	6419m	0.974	ug/l	
77) Bromobenzene	12.977	156	6147	1.220	ug/l	89
78) n-propylbenzene	13.036	91	26294	1.013	ug/l	94
79) 2-Chlorotoluene	13.130	91	18731	1.124	ug/l	95
80) 1,3,5-Trimethylbenzene	13.177	105	18910	0.991	ug/l	92
82) 4-Chlorotoluene	13.224	91	15840	1.003	ug/l	100
83) tert-Butylbenzene	13.442	119	16877	1.035	ug/l	89
84) 1,2,4-Trimethylbenzene	13.483	105	19806	1.052	ug/l	94
85) sec-Butylbenzene	13.619	105	22714	0.998	ug/l	99
86) p-Isopropyltoluene	13.736	119	17310	0.950	ug/l	96
87) 1,3-Dichlorobenzene	13.730	146	11048	1.201	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	11607m	1.242	ug/l	
89) n-Butylbenzene	14.066	91	15647	0.994	ug/l	94
90) Hexachloroethane	14.330	117	4176	1.269	ug/l	91
91) 1,2-Dichlorobenzene	14.107	146	10874	1.167	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.730	75	1839	1.330	ug/l	86
93) 1,2,4-Trichlorobenzene	15.389	180	6558	1.406	ug/l	93
94) Hexachlorobutadiene	15.507	225	2863	1.179	ug/l	86
95) Naphthalene	15.642	128	17158	1.149	ug/l	99
96) 1,2,3-Trichlorobenzene	15.848	180	5871	1.281	ug/l	98

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

Manual Integrations

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