

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011223\
 Data File : VN076232.D
 Acq On : 12 Jan 2023 15:51
 Operator : JC\MD
 Sample : VN0112WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0112WBS02

Quant Time: Jan 13 05:18:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/13/2023
 Supervised By : Mahesh Dadoda 01/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	369629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	585441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	508378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	193265	48.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.120%		
35) Dibromofluoromethane	8.177	113	177641	48.997	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.000%		
50) Toluene-d8	10.571	98	637239	47.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.020%		
62) 4-Bromofluorobenzene	12.853	95	209913	46.754	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	62120	23.669	ug/l	94
3) Chloromethane	2.377	50	61557	18.862	ug/l	98
4) Vinyl Chloride	2.530	62	74919	19.245	ug/l	98
5) Bromomethane	2.971	94	61035	18.448	ug/l	93
6) Chloroethane	3.130	64	55999	19.425	ug/l	99
7) Trichlorofluoromethane	3.512	101	104817	17.744	ug/l	91
8) Diethyl Ether	3.977	74	37610	17.432	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.389	101	60542	17.949	ug/l	99
10) Methyl Iodide	4.600	142	89361	16.324	ug/l	99
11) Tert butyl alcohol	5.536	59	44876	78.869	ug/l	97
12) 1,1-Dichloroethene	4.353	96	56845	17.352	ug/l	97
13) Acrolein	4.195	56	62632	89.786	ug/l	98
14) Allyl chloride	5.042	41	73449	19.179	ug/l	100
15) Acrylonitrile	5.736	53	134470	86.601	ug/l	98
16) Acetone	4.448	43	107746	77.728	ug/l	99
17) Carbon Disulfide	4.724	76	119205	15.029	ug/l	99
18) Methyl Acetate	5.042	43	76467	18.662	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	207485	19.233	ug/l	96
20) Methylene Chloride	5.295	84	65810	17.329	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	58191	16.219	ug/l	96
22) Diisopropyl ether	6.683	45	167913	18.049	ug/l	99
23) Vinyl Acetate	6.618	43	497340	79.426	ug/l	99
24) 1,1-Dichloroethane	6.577	63	107679	17.355	ug/l	98
25) 2-Butanone	7.489	43	166897	85.989	ug/l	93
26) 2,2-Dichloropropane	7.506	77	86290	16.423	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	73163	17.051	ug/l	96
28) Bromochloromethane	7.818	49	47030	17.294	ug/l	96
29) Tetrahydrofuran	7.847	42	110374	90.744	ug/l	97
30) Chloroform	7.977	83	121176	17.347	ug/l	91
31) Cyclohexane	8.265	56	98400	17.086	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	108505	17.520	ug/l	95
36) 1,1-Dichloropropene	8.377	75	84409	17.526	ug/l	99
37) Ethyl Acetate	7.571	43	72815	18.822	ug/l	98
38) Carbon Tetrachloride	8.371	117	93954	17.430	ug/l	96
39) Methylcyclohexane	9.606	83	103068	17.739	ug/l	99
40) Benzene	8.612	78	263500	17.733	ug/l	100

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41) Methacrylonitrile	7.783	41	36071	17.938	ug/l	94
42) 1,2-Dichloroethane	8.677	62	89549	18.127	ug/l	99
43) Isopropyl Acetate	8.694	43	117019	18.337	ug/l	99
44) Trichloroethene	9.353	130	73984	17.673	ug/l	92
45) 1,2-Dichloropropane	9.630	63	62182	17.196	ug/l	90
46) Dibromomethane	9.712	93	45673	17.029	ug/l	95
47) Bromodichloromethane	9.888	83	90652	17.236	ug/l	94
48) Methyl methacrylate	9.683	41	53763	18.705	ug/l	95
49) 1,4-Dioxane	9.694	88	22584	319.616	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	357341	92.593	ug/l	98
52) Toluene	10.630	92	171699	17.742	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	86456	16.793	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	99541	17.609	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	68111	17.931	ug/l	97
56) Ethyl methacrylate	10.877	69	92542	18.342	ug/l	97
57) 1,3-Dichloropropane	11.165	76	108578	17.426	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	175752	109.408	ug/l	99
59) 2-Hexanone	11.200	43	254065	90.272	ug/l	98
60) Dibromochloromethane	11.359	129	71051	16.819	ug/l	98
61) 1,2-Dibromoethane	11.471	107	67533	17.568	ug/l	98
64) Tetrachloroethene	11.106	164	80190	22.416	ug/l	96
65) Chlorobenzene	11.894	112	182197	17.461	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	68701	17.776	ug/l	99
67) Ethyl Benzene	11.965	91	324106	18.404	ug/l	99
68) m/p-Xylenes	12.076	106	257273	36.910	ug/l	99
69) o-Xylene	12.400	106	129149	18.723	ug/l	97
70) Styrene	12.412	104	206111	18.793	ug/l	99
71) Bromoform	12.582	173	50135	17.827	ug/l #	96
73) Isopropylbenzene	12.700	105	333848	19.898	ug/l	100
74) N-amyl acetate	12.494	43	93583	19.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	88684	17.098	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	83909m	17.929	ug/l	
77) Bromobenzene	12.982	156	79387	18.696	ug/l	99
78) n-propylbenzene	13.035	91	367279	19.847	ug/l	99
79) 2-Chlorotoluene	13.129	91	225015	19.479	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	276652	19.701	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	23357	17.964	ug/l #	83
82) 4-Chlorotoluene	13.129	91	225015	19.479	ug/l	99
83) tert-Butylbenzene	13.441	119	251904	20.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	279741	20.081	ug/l	98
85) sec-Butylbenzene	13.618	105	345657	20.228	ug/l	98
86) p-Isopropyltoluene	13.729	119	287327	20.207	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	141927	18.095	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	141625	17.675	ug/l	98
89) n-Butylbenzene	14.059	91	217257	18.860	ug/l	99
90) Hexachloroethane	14.341	117	47054	18.500	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	146112	18.912	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14730	16.005	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	69978	18.296	ug/l	97
94) Hexachlorobutadiene	15.506	225	37135	17.795	ug/l	97
95) Naphthalene	15.641	128	205769	17.753	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	67840	18.977	ug/l	100

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

