

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022723\
 Data File : VN076818.D
 Acq On : 27 Feb 2023 11:38
 Operator : JC\MD
 Sample : VN0227WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0227WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 01:50:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	240093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	441485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	409417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	195455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	193627	58.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.800%			
35) Dibromofluoromethane	8.172	113	145896	50.462	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.920%			
50) Toluene-d8	10.571	98	567988	52.604	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.200%			
62) 4-Bromofluorobenzene	12.854	95	194210	54.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	47756	18.732	ug/l	99
3) Chloromethane	2.378	50	57422	17.264	ug/l	91
4) Vinyl Chloride	2.531	62	58828	17.971	ug/l	97
5) Bromomethane	2.960	94	39583	19.956	ug/l	100
6) Chloroethane	3.131	64	43818	21.180	ug/l	94
7) Trichlorofluoromethane	3.513	101	84764	19.031	ug/l	93
8) Diethyl Ether	3.966	74	35306	20.571	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.384	101	52196	19.944	ug/l	96
10) Methyl Iodide	4.601	142	62529	19.347	ug/l	98
11) Tert butyl alcohol	5.531	59	52330	119.581	ug/l	98
12) 1,1-Dichloroethene	4.360	96	45825	18.491	ug/l	96
13) Acrolein	4.190	56	64940	98.844	ug/l	99
14) Allyl chloride	5.031	41	83306	19.401	ug/l	95
15) Acrylonitrile	5.725	53	173951	112.005	ug/l	99
16) Acetone	4.437	43	153634	103.742	ug/l	89
17) Carbon Disulfide	4.725	76	106081	16.213	ug/l	96
18) Methyl Acetate	5.037	43	110677	22.896	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	181382	21.709	ug/l	98
20) Methylene Chloride	5.284	84	60705	19.559	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	50752	18.193	ug/l	95
22) Diisopropyl ether	6.678	45	228654	22.703	ug/l	96
23) Vinyl Acetate	6.613	43	703543	118.066	ug/l	97
24) 1,1-Dichloroethane	6.578	63	110062	19.940	ug/l	96
25) 2-Butanone	7.489	43	242316	110.927	ug/l	97
26) 2,2-Dichloropropane	7.501	77	81546	20.482	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	63603	19.223	ug/l	92
28) Bromochloromethane	7.819	49	59631	22.699	ug/l	89
29) Tetrahydrofuran	7.842	42	159008	111.411	ug/l	98
30) Chloroform	7.966	83	113736	20.623	ug/l	97
31) Cyclohexane	8.260	56	102568	19.722	ug/l	98
32) 1,1,1-Trichloroethane	8.172	97	91251	19.679	ug/l #	92
36) 1,1-Dichloropropene	8.378	75	79762	19.094	ug/l	98
37) Ethyl Acetate	7.572	43	95838	21.806	ug/l	98
38) Carbon Tetrachloride	8.372	117	77546	18.402	ug/l	93
39) Methylcyclohexane	9.601	83	91136	19.193	ug/l	99
40) Benzene	8.613	78	257438	20.068	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	55325	21.729	ug/l	97
42) 1,2-Dichloroethane	8.672	62	95352	21.312	ug/l	99
43) Isopropyl Acetate	8.689	43	160276	22.411	ug/l	97
44) Trichloroethene	9.354	130	57933	19.111	ug/l	95
45) 1,2-Dichloropropane	9.624	63	70152	20.658	ug/l	90
46) Dibromomethane	9.713	93	45349	20.889	ug/l	97
47) Bromodichloromethane	9.889	83	90859	20.875	ug/l #	98
48) Methyl methacrylate	9.683	41	73396	21.627	ug/l	95
49) 1,4-Dioxane	9.689	88	25584	435.806	ug/l #	92
51) 4-Methyl-2-Pentanone	10.448	43	516108	113.422	ug/l	98
52) Toluene	10.630	92	162421	20.971	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	93481	22.251	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	99510	20.535	ug/l	93
55) 1,1,2-Trichloroethane	11.013	97	65802	20.894	ug/l	96
56) Ethyl methacrylate	10.871	69	97599	22.017	ug/l	94
57) 1,3-Dichloropropane	11.166	76	114073	21.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	189890	93.533	ug/l	98
59) 2-Hexanone	11.195	43	379902	115.790	ug/l	99
60) Dibromochloromethane	11.366	129	63640	19.173	ug/l	99
61) 1,2-Dibromoethane	11.471	107	62695	19.889	ug/l	98
64) Tetrachloroethene	11.101	164	46763	18.124	ug/l	92
65) Chlorobenzene	11.895	112	168111	19.375	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.960	131	60599	19.228	ug/l	98
67) Ethyl Benzene	11.966	91	293026	19.823	ug/l	98
68) m/p-Xylenes	12.071	106	228284	40.065	ug/l	94
69) o-Xylene	12.401	106	113322	20.393	ug/l	98
70) Styrene	12.413	104	185086	20.597	ug/l	99
71) Bromoform	12.583	173	44881	19.414	ug/l #	93
73) Isopropylbenzene	12.701	105	288733	20.154	ug/l	99
74) N-amyl acetate	12.495	43	134104	20.767	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.936	83	102411	19.749	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	86656m	21.930	ug/l	
77) Bromobenzene	12.983	156	67241	18.812	ug/l	94
78) n-propylbenzene	13.036	91	346112	20.574	ug/l	99
79) 2-Chlorotoluene	13.124	91	207714	20.166	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	247918	20.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	28518	21.020	ug/l	92
82) 4-Chlorotoluene	13.124	91	207714	20.166	ug/l	97
83) tert-Butylbenzene	13.442	119	221320	20.664	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	252066	21.362	ug/l	97
85) sec-Butylbenzene	13.618	105	311314	20.819	ug/l	99
86) p-Isopropyltoluene	13.730	119	252133	21.115	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	134726	19.940	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	129680	19.274	ug/l	98
89) n-Butylbenzene	14.060	91	210616	20.280	ug/l	97
90) Hexachloroethane	14.342	117	48010	19.202	ug/l	93
91) 1,2-Dichlorobenzene	14.107	146	136472	19.702	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.718	75	17721	17.639	ug/l	94
93) 1,2,4-Trichlorobenzene	15.395	180	62633	18.127	ug/l	98
94) Hexachlorobutadiene	15.506	225	29406	17.365	ug/l	96
95) Naphthalene	15.648	128	198974	18.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	61637	18.413	ug/l	96

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

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