

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072593.D
 Acq On : 24 May 2022 17:51
 Operator : JC\MD
 Sample : VN0524WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 25 09:20:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	153240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	239867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	228831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	90575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	82293	47.210	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.420%		
35) Dibromofluoromethane	8.016	113	70981	45.657	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.320%		
50) Toluene-d8	10.433	98	281521	47.425	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.840%		
62) 4-Bromofluorobenzene	12.727	95	92964	48.151	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	22930	15.882	ug/l	94
3) Chloromethane	2.293	50	29076	17.152	ug/l	99
4) Vinyl Chloride	2.434	62	23657	16.583	ug/l	98
5) Bromomethane	2.810	94	15607	20.344	ug/l	94
6) Chloroethane	2.981	64	15267	16.935	ug/l	96
7) Trichlorofluoromethane	3.352	101	40062	16.599	ug/l	96
8) Diethyl Ether	3.822	74	16827	17.766	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.199	101	24419	16.741	ug/l	97
10) Methyl Iodide	4.416	142	28710	16.725	ug/l	99
11) Tert butyl alcohol	5.369	59	27310	83.201	ug/l	98
12) 1,1-Dichloroethene	4.175	96	22598	16.739	ug/l	97
13) Acrolein	4.034	56	17486	89.750	ug/l	98
14) Allyl chloride	4.828	41	42218	16.797	ug/l	91
15) Acrylonitrile	5.540	53	87419	83.753	ug/l	99
16) Acetone	4.275	43	68496	79.945	ug/l	99
17) Carbon Disulfide	4.522	76	55497	16.221	ug/l	97
18) Methyl Acetate	4.840	43	41137	17.316	ug/l	94
19) Methyl tert-butyl Ether	5.598	73	82193	17.206	ug/l	98
20) Methylene Chloride	5.087	84	30891	17.859	ug/l	96
21) trans-1,2-Dichloroethene	5.593	96	24762	16.950	ug/l	93
22) Diisopropyl ether	6.487	45	94066	17.613	ug/l	97
23) Vinyl Acetate	6.422	43	400408	88.277	ug/l	95
24) 1,1-Dichloroethane	6.387	63	50731	17.612	ug/l	99
25) 2-Butanone	7.328	43	121763	84.224	ug/l	94
26) 2,2-Dichloropropane	7.316	77	36389	16.406	ug/l	98
27) cis-1,2-Dichloroethene	7.316	96	30904	16.769	ug/l	100
28) Bromochloromethane	7.651	49	21250	17.882	ug/l	89
29) Tetrahydrofuran	7.675	42	78137	86.864	ug/l	91
30) Chloroform	7.810	83	49793	16.444	ug/l	98
31) Cyclohexane	8.092	56	46906	16.987	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	40870	16.115	ug/l	98
36) 1,1-Dichloropropene	8.216	75	36001	16.368	ug/l	99
37) Ethyl Acetate	7.404	43	47863	16.647	ug/l	98
38) Carbon Tetrachloride	8.198	117	35824	15.430	ug/l	97
39) Methylcyclohexane	9.457	83	44261	16.331	ug/l	95
40) Benzene	8.451	78	119138	16.786	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	23437	16.201	ug/l	91
42) 1,2-Dichloroethane	8.522	62	38580	16.778	ug/l	98
43) Isopropyl Acetate	8.551	43	68945	16.911	ug/l	98
44) Trichloroethene	9.210	130	29727	16.289	ug/l	97
45) 1,2-Dichloropropane	9.481	63	31372	17.033	ug/l	99
46) Dibromomethane	9.575	93	20638	16.788	ug/l	98
47) Bromodichloromethane	9.757	83	39331	16.418	ug/l	95
48) Methyl methacrylate	9.551	41	33933	17.110	ug/l	95
49) 1,4-Dioxane	9.569	88	13512	356.992	ug/l	96
51) 4-Methyl-2-Pentanone	10.328	43	245017	87.786	ug/l	96
52) Toluene	10.498	92	76719	17.070	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	41487	16.942	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	47758	17.319	ug/l	94
55) 1,1,2-Trichloroethane	10.892	97	32339	17.343	ug/l	93
56) Ethyl methacrylate	10.757	69	48745	16.971	ug/l	93
57) 1,3-Dichloropropane	11.039	76	53461	17.011	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.034	63	118278	96.241	ug/l	97
59) 2-Hexanone	11.081	43	171588	86.720	ug/l	96
60) Dibromochloromethane	11.233	129	32393	16.230	ug/l	99
61) 1,2-Dibromoethane	11.339	107	32125	16.525	ug/l	100
64) Tetrachloroethene	10.975	164	27361	16.184	ug/l	90
65) Chlorobenzene	11.769	112	82512	16.115	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	30654	15.835	ug/l	99
67) Ethyl Benzene	11.839	91	142828	16.388	ug/l	95
68) m/p-Xylenes	11.951	106	112609	33.898	ug/l	98
69) o-Xylene	12.275	106	54862	17.084	ug/l	98
70) Styrene	12.286	104	87881	16.910	ug/l	99
71) Bromoform	12.451	173	25229	15.856	ug/l #	97
73) Isopropylbenzene	12.575	105	141624	17.553	ug/l	99
74) N-amyl acetate	12.386	43	50834	17.553	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.822	83	45989	16.141	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	44850m	18.239	ug/l	
77) Bromobenzene	12.857	156	35212	17.593	ug/l	96
78) n-propylbenzene	12.916	91	156250	17.466	ug/l	99
79) 2-Chlorotoluene	13.004	91	96272	17.419	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	112135	17.868	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.616	75	13778	16.443	ug/l	98
82) 4-Chlorotoluene	13.098	91	87763	17.365	ug/l	99
83) tert-Butylbenzene	13.316	119	102384	17.520	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	107913	17.536	ug/l	100
85) sec-Butylbenzene	13.498	105	136248	17.434	ug/l	99
86) p-Isopropyltoluene	13.610	119	107578	17.459	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	54410	16.107	ug/l	98
88) 1,4-Dichlorobenzene	13.686	146	53728	16.212	ug/l	99
89) n-Butylbenzene	13.939	91	80021	16.095	ug/l	98
90) Hexachloroethane	14.204	117	20431	16.772	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	52785	16.313	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	8258	17.002	ug/l	97
93) 1,2,4-Trichlorobenzene	15.257	180	27168	15.940	ug/l	97
94) Hexachlorobutadiene	15.363	225	16119	16.026	ug/l	96
95) Naphthalene	15.504	128	90018	15.970	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	28550	15.645	ug/l	99

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

