

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072022\
 Data File : VN073533.D
 Acq On : 20 Jul 2022 19:45
 Operator : JC\MD
 Sample : VN0720WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2022
 Supervised By : Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 08:26:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	201148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	338427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	310934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	150866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.374	65	145895	50.243	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.480%			
35) Dibromofluoromethane	7.951	113	118731	52.732	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.460%			
50) Toluene-d8	10.380	98	398257	49.801	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.600%			
62) 4-Bromofluorobenzene	12.674	95	159758	51.984	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	46437	15.791	ug/l	94
3) Chloromethane	2.263	50	45712	16.011	ug/l	96
4) Vinyl Chloride	2.404	62	43364	17.876	ug/l	99
5) Bromomethane	2.798	94	22175	19.353	ug/l	98
6) Chloroethane	2.963	64	29741	20.841	ug/l	91
7) Trichlorofluoromethane	3.310	101	68062	16.229	ug/l	95
8) Diethyl Ether	3.763	74	35467	20.774	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.134	101	45590	18.397	ug/l	98
10) Methyl Iodide	4.351	142	42347	15.529	ug/l	95
11) Tert butyl alcohol	5.292	59	83238	118.332	ug/l	98
12) 1,1-Dichloroethene	4.116	96	42372	17.894	ug/l	93
13) Acrolein	3.986	56	10159	22.849	ug/l	96
14) Allyl chloride	4.757	41	96778	19.401	ug/l #	91
15) Acrylonitrile	5.475	53	216595	119.612	ug/l	98
16) Acetone	4.222	43	198926	122.044	ug/l	93
17) Carbon Disulfide	4.457	76	82838	13.492	ug/l	99
18) Methyl Acetate	4.781	43	126244	27.638	ug/l #	88
19) Methyl tert-butyl Ether	5.528	73	180617	20.929	ug/l	98
20) Methylene Chloride	5.016	84	56978	19.891	ug/l	88
21) trans-1,2-Dichloroethene	5.516	96	43415	17.547	ug/l	91
22) Diisopropyl ether	6.410	45	208128	22.359	ug/l #	95
23) Vinyl Acetate	6.351	43	866367	103.956	ug/l #	92
24) 1,1-Dichloroethane	6.310	63	100133	20.787	ug/l	98
25) 2-Butanone	7.263	43	322018	124.089	ug/l	91
26) 2,2-Dichloropropane	7.245	77	67589	15.171	ug/l	100
27) cis-1,2-Dichloroethene	7.251	96	58699	19.591	ug/l	95
28) Bromochloromethane	7.586	49	45856	22.730	ug/l #	80
29) Tetrahydrofuran	7.610	42	215791	121.443	ug/l #	86
30) Chloroform	7.745	83	103368	21.306	ug/l	97
31) Cyclohexane	8.022	56	80418	16.910	ug/l	93
32) 1,1,1-Trichloroethane	7.945	97	84014	19.431	ug/l	97
36) 1,1-Dichloropropene	8.151	75	66274	19.129	ug/l	97
37) Ethyl Acetate	7.345	43	121857	23.278	ug/l #	93
38) Carbon Tetrachloride	8.133	117	66781	18.639	ug/l	93
39) Methylcyclohexane	9.392	83	71274	16.524	ug/l	91
40) Benzene	8.386	78	220580	20.630	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	59564	23.461	ug/l	87
42) 1,2-Dichloroethane	8.463	62	82010	21.159	ug/l	100
43) Isopropyl Acetate	8.498	43	173447	23.054	ug/l	93
44) Trichloroethene	9.151	130	52645	19.348	ug/l	98
45) 1,2-Dichloropropane	9.427	63	59583	21.864	ug/l	97
46) Dibromomethane	9.510	93	39331	21.255	ug/l	92
47) Bromodichloromethane	9.698	83	77311	21.572	ug/l	99
48) Methyl methacrylate	9.498	41	74717	21.449	ug/l	89
49) 1,4-Dioxane	9.504	88	36140	546.513	ug/l #	91
51) 4-Methyl-2-Pentanone	10.268	43	617709	129.472	ug/l	91
52) Toluene	10.445	92	138107	20.901	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	79238	20.084	ug/l	97
54) cis-1,3-Dichloropropene	10.127	75	86062	20.205	ug/l #	91
55) 1,1,2-Trichloroethane	10.839	97	60188	22.126	ug/l	97
56) Ethyl methacrylate	10.704	69	95196	21.651	ug/l #	83
57) 1,3-Dichloropropane	10.986	76	101637	21.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	210545	107.371	ug/l	93
59) 2-Hexanone	11.027	43	480666	132.168	ug/l	88
60) Dibromochloromethane	11.180	129	58805	22.673	ug/l	98
61) 1,2-Dibromoethane	11.286	107	59463	21.884	ug/l	98
64) Tetrachloroethene	10.915	164	55361	21.804	ug/l	93
65) Chlorobenzene	11.710	112	145104	20.634	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.780	131	53885	20.833	ug/l	99
67) Ethyl Benzene	11.786	91	257752	20.189	ug/l	99
68) m/p-Xylenes	11.892	106	194569	40.383	ug/l	97
69) o-Xylene	12.221	106	98436	20.013	ug/l	94
70) Styrene	12.233	104	159563	21.012	ug/l	99
71) Bromoform	12.398	173	42854	22.642	ug/l #	100
73) Isopropylbenzene	12.521	105	261648	20.084	ug/l	97
74) N-amyl acetate	12.327	43	132768	20.353	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.768	83	96498	22.321	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	85749m	21.737	ug/l	
77) Bromobenzene	12.804	156	59607	19.679	ug/l	86
78) n-propylbenzene	12.862	91	289453	20.000	ug/l	98
79) 2-Chlorotoluene	12.945	91	182075	19.877	ug/l	97
80) 1,3,5-Trimethylbenzene	13.004	105	208628	19.647	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.568	75	26143	18.175	ug/l #	84
82) 4-Chlorotoluene	13.045	91	170873	19.268	ug/l	96
83) tert-Butylbenzene	13.262	119	196004	20.589	ug/l	97
84) 1,2,4-Trimethylbenzene	13.309	105	214943	20.274	ug/l	98
85) sec-Butylbenzene	13.439	105	263912	20.645	ug/l	99
86) p-Isopropyltoluene	13.556	119	210119	20.348	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	106386	19.578	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	107775	19.795	ug/l	100
89) n-Butylbenzene	13.880	91	173629	20.178	ug/l	98
90) Hexachloroethane	14.151	117	37934	19.711	ug/l	88
91) 1,2-Dichlorobenzene	13.927	146	114286	20.646	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	22760	21.661	ug/l	96
93) 1,2,4-Trichlorobenzene	15.198	180	61090	21.195	ug/l	98
94) Hexachlorobutadiene	15.298	225	28954	22.598	ug/l	99
95) Naphthalene	15.439	128	249352	21.445	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	67368	22.658	ug/l	96

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

