

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062222\
 Data File : VN073024.D
 Acq On : 22 Jun 2022 14:39
 Operator : JC\MD
 Sample : VN0622WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2022
 Supervised By : Mahesh Dadoda 06/23/2022

Quant Time: Jun 23 07:31:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	242524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	444895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	384340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	170213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	179617	54.780	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.560%			
35) Dibromofluoromethane	7.951	113	139161	50.607	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	10.374	98	520168	50.836	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.668	95	184928	50.261	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	51024	22.097	ug/l	97
3) Chloromethane	2.269	50	48615	19.932	ug/l	94
4) Vinyl Chloride	2.410	62	45712	22.074	ug/l	96
5) Bromomethane	2.810	94	19529	23.956	ug/l	95
6) Chloroethane	2.969	64	29518	22.784	ug/l	100
7) Trichlorofluoromethane	3.322	101	83683	24.815	ug/l	99
8) Diethyl Ether	3.769	74	36937	21.223	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.151	101	49561	21.261	ug/l	96
10) Methyl Iodide	4.351	142	37475	14.026	ug/l	94
11) Tert butyl alcohol	5.281	59	86129	101.690	ug/l	99
12) 1,1-Dichloroethene	4.116	96	46491	20.022	ug/l	93
13) Acrolein	3.987	56	20620	61.815	ug/l	96
14) Allyl chloride	4.757	41	88733	17.886	ug/l #	91
15) Acrylonitrile	5.475	53	209073	107.082	ug/l	98
16) Acetone	4.222	43	202627	112.423	ug/l	97
17) Carbon Disulfide	4.457	76	98927	16.628	ug/l	96
18) Methyl Acetate	4.775	43	105242	21.927	ug/l	92
19) Methyl tert-butyl Ether	5.534	73	194223	22.272	ug/l	99
20) Methylene Chloride	5.022	84	60533	21.515	ug/l	94
21) trans-1,2-Dichloroethene	5.522	96	50904	20.154	ug/l	99
22) Diisopropyl ether	6.416	45	213388	23.073	ug/l	96
23) Vinyl Acetate	6.351	43	908478	106.414	ug/l #	93
24) 1,1-Dichloroethane	6.304	63	106873	22.042	ug/l	97
25) 2-Butanone	7.257	43	306010	106.993	ug/l	90
26) 2,2-Dichloropropane	7.245	77	22433	5.054	ug/l	92
27) cis-1,2-Dichloroethene	7.251	96	63652	21.094	ug/l	95
28) Bromochloromethane	7.581	49	44517	22.200	ug/l	86
29) Tetrahydrofuran	7.610	42	201237	106.549	ug/l	89
30) Chloroform	7.745	83	108381	22.080	ug/l	94
31) Cyclohexane	8.016	56	90208	20.339	ug/l	88
32) 1,1,1-Trichloroethane	7.939	97	92952	21.580	ug/l	98
36) 1,1-Dichloropropene	8.151	75	71420	19.194	ug/l	98
37) Ethyl Acetate	7.339	43	122262	20.543	ug/l #	93
38) Carbon Tetrachloride	8.133	117	76011	19.421	ug/l	99
39) Methylcyclohexane	9.392	83	79664	17.763	ug/l	95
40) Benzene	8.386	78	234500	20.053	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	58334	20.669	ug/l	88
42) 1,2-Dichloroethane	8.457	62	88767	21.372	ug/l	99
43) Isopropyl Acetate	8.492	43	177204	20.829	ug/l	95
44) Trichloroethene	9.151	130	57069	19.258	ug/l	94
45) 1,2-Dichloropropane	9.422	63	63007	21.079	ug/l	98
46) Dibromomethane	9.510	93	41510	20.538	ug/l	96
47) Bromodichloromethane	9.698	83	85852	21.374	ug/l	96
48) Methyl methacrylate	9.492	41	78361	20.174	ug/l	91
49) 1,4-Dioxane	9.504	88	33191	379.773	ug/l #	90
51) 4-Methyl-2-Pentanone	10.263	43	587456	105.890	ug/l	91
52) Toluene	10.439	92	146624	20.423	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	69595	16.111	ug/l	97
54) cis-1,3-Dichloropropene	10.122	75	76633	16.241	ug/l #	90
55) 1,1,2-Trichloroethane	10.833	97	62432	19.805	ug/l	98
56) Ethyl methacrylate	10.698	69	104197	20.622	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	108015	20.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.975	63	222119	99.573	ug/l	95
59) 2-Hexanone	11.022	43	442981	103.237	ug/l	89
60) Dibromochloromethane	11.174	129	62834	21.091	ug/l	98
61) 1,2-Dibromoethane	11.280	107	63005	20.274	ug/l	99
64) Tetrachloroethene	10.910	164	47582	20.351	ug/l	94
65) Chlorobenzene	11.704	112	155071	20.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.774	131	59369	20.781	ug/l	99
67) Ethyl Benzene	11.780	91	276855	20.953	ug/l	100
68) m/p-Xylenes	11.886	106	212862	41.074	ug/l	98
69) o-Xylene	12.216	106	108457	20.944	ug/l	100
70) Styrene	12.227	104	170427	20.494	ug/l	99
71) Bromoform	12.392	173	44369	20.598	ug/l #	98
73) Isopropylbenzene	12.516	105	272779	20.715	ug/l	100
74) N-amyl acetate	12.327	43	133419	19.524	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.763	83	101198	21.339	ug/l	98
76) 1,2,3-Trichloropropane	12.816	75	86102m	20.864	ug/l	
77) Bromobenzene	12.792	156	65616	20.800	ug/l	92
78) n-propylbenzene	12.857	91	300973	20.779	ug/l	97
79) 2-Chlorotoluene	12.939	91	191755	20.444	ug/l	99
80) 1,3,5-Trimethylbenzene	12.992	105	223807	20.691	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	17872	11.696	ug/l	95
82) 4-Chlorotoluene	13.039	91	182606	20.577	ug/l	98
83) tert-Butylbenzene	13.257	119	205646	20.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	223461	20.742	ug/l	100
85) sec-Butylbenzene	13.439	105	268682	20.332	ug/l	99
86) p-Isopropyltoluene	13.551	119	212804	19.890	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	115818	20.564	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	114833	20.145	ug/l	99
89) n-Butylbenzene	13.880	91	158140	18.102	ug/l	99
90) Hexachloroethane	14.145	117	41847	20.747	ug/l	92
91) 1,2-Dichlorobenzene	13.921	146	121853	20.746	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.533	75	23317	19.446	ug/l	88
93) 1,2,4-Trichlorobenzene	15.192	180	57611	17.724	ug/l	99
94) Hexachlorobutadiene	15.298	225	23788	16.817	ug/l	97
95) Naphthalene	15.427	128	231204	17.583	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	60402	17.402	ug/l	96

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

