

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072585.D
 Acq On : 24 May 2022 13:52
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: May 24 14:57:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 24 14:54:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	144623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	220419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	203348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	84288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	30204	14.030	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	28.060%#		
35) Dibromofluoromethane	8.016	113	27385	18.587	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	37.180%#		
50) Toluene-d8	10.433	98	101114	18.071	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	36.140%#		
62) 4-Bromofluorobenzene	12.727	95	31817	15.393	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	30.780%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	25314	15.434	ug/l	96
3) Chloromethane	2.293	50	31558	20.216	ug/l	98
4) Vinyl Chloride	2.440	62	25167	19.712	ug/l	100
5) Bromomethane	2.828	94	12185	10.932	ug/l	93
6) Chloroethane	2.999	64	16599	12.047	ug/l	89
7) Trichlorofluoromethane	3.363	101	43416	15.393	ug/l	99
8) Diethyl Ether	3.816	74	17432	19.999	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.210	101	26061	18.874	ug/l	99
10) Methyl Iodide	4.416	142	31504	17.940	ug/l	95
11) Tert butyl alcohol	5.357	59	28668	126.707	ug/l	97
12) 1,1-Dichloroethene	4.175	96	23756	19.447	ug/l	93
13) Acrolein	4.034	56	16398	60.040	ug/l	97
14) Allyl chloride	4.834	41	45144	21.803	ug/l	89
15) Acrylonitrile	5.546	53	96118	115.242	ug/l	99
16) Acetone	4.281	43	74464	104.666	ug/l	93
17) Carbon Disulfide	4.522	76	59850	19.061	ug/l	98
18) Methyl Acetate	4.851	43	43361	20.113	ug/l	93
19) Methyl tert-butyl Ether	5.610	73	86710	17.787	ug/l	95
20) Methylene Chloride	5.093	84	31688	19.142	ug/l	98
21) trans-1,2-Dichloroethene	5.587	96	26387	19.609	ug/l	91
22) Diisopropyl ether	6.487	45	97813	21.393	ug/l	97
23) Vinyl Acetate	6.422	43	415851	105.573	ug/l	97
24) 1,1-Dichloroethane	6.381	63	51607	18.880	ug/l	97
25) 2-Butanone	7.328	43	130936	115.783	ug/l	100
26) 2,2-Dichloropropane	7.316	77	39969	16.175	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	32494	19.349	ug/l	99
28) Bromochloromethane	7.657	49	20649	18.658	ug/l	97
29) Tetrahydrofuran	7.681	42	86193	126.012	ug/l	93
30) Chloroform	7.816	83	53440	17.281	ug/l	99
31) Cyclohexane	8.087	56	48052	18.784	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	45145	16.096	ug/l	99
36) 1,1-Dichloropropene	8.216	75	38913	19.037	ug/l	99
37) Ethyl Acetate	7.404	43	51685	22.163	ug/l	97
38) Carbon Tetrachloride	8.198	117	40655	16.314	ug/l	97
39) Methylcyclohexane	9.451	83	47542	19.515	ug/l	96
40) Benzene	8.457	78	124409	20.478	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	23974	21.179	ug/l	93
42) 1,2-Dichloroethane	8.528	62	41031	15.153	ug/l	100
43) Isopropyl Acetate	8.557	43	72357	19.720	ug/l	99
44) Trichloroethene	9.210	130	31824	19.231	ug/l	96
45) 1,2-Dichloropropane	9.486	63	32564	21.465	ug/l	99
46) Dibromomethane	9.569	93	20969	18.664	ug/l	96
47) Bromodichloromethane	9.757	83	42727	18.542	ug/l	98
48) Methyl methacrylate	9.557	41	35544	20.297	ug/l	94
49) 1,4-Dioxane	9.563	88	14426	758.414	ug/l	96
51) 4-Methyl-2-Pentanone	10.328	43	258278	107.050	ug/l	97
52) Toluene	10.498	92	81417	20.923	ug/l	100
53) t-1,3-Dichloropropene	10.716	75	43825	17.841	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	49640	20.106	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	34115	20.183	ug/l	98
56) Ethyl methacrylate	10.757	69	51932	20.584	ug/l	95
57) 1,3-Dichloropropane	11.039	76	56309	19.808	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.033	63	104951	150.155	ug/l	96
59) 2-Hexanone	11.080	43	188937	112.390	ug/l	97
60) Dibromochloromethane	11.233	129	35169	18.392	ug/l	99
61) 1,2-Dibromoethane	11.339	107	34621	19.787	ug/l	97
64) Tetrachloroethene	10.975	164	29709	20.460	ug/l	99
65) Chlorobenzene	11.763	112	85774	20.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	33327	19.588	ug/l	98
67) Ethyl Benzene	11.839	91	150474	20.465	ug/l	98
68) m/p-Xylenes	11.951	106	116335	41.285	ug/l	99
69) o-Xylene	12.275	106	57626	20.123	ug/l	99
70) Styrene	12.286	104	91324	20.708	ug/l	99
71) Bromoform	12.457	173	27497	20.739	ug/l #	97
73) Isopropylbenzene	12.574	105	146747	20.782	ug/l	100
74) N-amyl acetate	12.380	43	55713	22.929	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.822	83	51197	23.085	ug/l	100
76) 1,2,3-Trichloropropane	12.874	75	43187m	17.443	ug/l	
77) Bromobenzene	12.857	156	35572	19.476	ug/l	98
78) n-propylbenzene	12.916	91	161409	20.860	ug/l	100
79) 2-Chlorotoluene	13.004	91	97388	19.113	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	117062	19.525	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.616	75	14459	22.272	ug/l	97
82) 4-Chlorotoluene	13.098	91	92211	19.368	ug/l	98
83) tert-Butylbenzene	13.316	119	106730	20.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	114452	19.589	ug/l	100
85) sec-Butylbenzene	13.498	105	143792	21.048	ug/l	99
86) p-Isopropyltoluene	13.610	119	113918	20.410	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	59911	20.055	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	57465	19.840	ug/l	97
89) n-Butylbenzene	13.939	91	87275	20.618	ug/l	98
90) Hexachloroethane	14.204	117	21818	21.870	ug/l	96
91) 1,2-Dichlorobenzene	13.980	146	59643	20.106	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	9370	21.154	ug/l	98
93) 1,2,4-Trichlorobenzene	15.257	180	31394	23.708	ug/l	98
94) Hexachlorobutadiene	15.363	225	17936	21.801	ug/l	99
95) Naphthalene	15.498	128	104287	26.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	33310	24.278	ug/l	100

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

