

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051022\
 Data File : VN072389.D
 Acq On : 10 May 2022 13:30
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/11/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 10 15:29:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:27:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	231184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	381342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	344479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	128376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	18617	5.327	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.660%#		
35) Dibromofluoromethane	8.016	113	13529	5.545	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	11.080%#		
50) Toluene-d8	10.439	98	47467	4.980	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.960%#		
62) 4-Bromofluorobenzene	12.727	95	14725	4.664	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.320%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	14796	5.101	ug/l	94
3) Chloromethane	2.299	50	16180	4.610	ug/l	95
4) Vinyl Chloride	2.440	62	12758	4.904	ug/l	97
5) Bromomethane	2.828	94	8220	5.727	ug/l	92
6) Chloroethane	3.010	64	7825	4.701	ug/l	97
7) Trichlorofluoromethane	3.369	101	24273	5.292	ug/l	94
8) Diethyl Ether	3.822	74	9063	5.510	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.216	101	13267	5.510	ug/l	97
10) Methyl Iodide	4.416	142	16524	5.536	ug/l #	88
11) Tert butyl alcohol	5.375	59	16811m	29.249	ug/l	
12) 1,1-Dichloroethene	4.187	96	12713	5.719	ug/l	92
13) Acrolein	4.046	56	16688	28.480	ug/l	99
14) Allyl chloride	4.846	41	22248	4.891	ug/l	93
15) Acrylonitrile	5.551	53	40928	23.701	ug/l	99
16) Acetone	4.293	43	35952	23.811	ug/l #	88
17) Carbon Disulfide	4.528	76	31539	5.458	ug/l #	95
18) Methyl Acetate	4.857	43	20656	4.329	ug/l	93
19) Methyl tert-butyl Ether	5.622	73	41328	4.787	ug/l	91
20) Methylene Chloride	5.098	84	14859	5.074	ug/l #	95
21) trans-1,2-Dichloroethene	5.593	96	12519	5.113	ug/l	89
22) Diisopropyl ether	6.492	45	43710	4.673	ug/l	94
23) Vinyl Acetate	6.434	43	183317	23.345	ug/l	96
24) 1,1-Dichloroethane	6.387	63	26062	4.966	ug/l #	91
25) 2-Butanone	7.334	43	56269	23.467	ug/l	96
26) 2,2-Dichloropropane	7.328	77	21830	5.291	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	15121	5.087	ug/l	92
28) Bromochloromethane	7.657	49	10959	4.748	ug/l #	91
29) Tetrahydrofuran	7.686	42	36784	23.356	ug/l	91
30) Chloroform	7.816	83	27132	5.115	ug/l	87
31) Cyclohexane	8.086	56	27480	5.785	ug/l #	86
32) 1,1,1-Trichloroethane	8.010	97	23539	5.183	ug/l	97
36) 1,1-Dichloropropene	8.216	75	17479	4.864	ug/l	97
37) Ethyl Acetate	7.416	43	23357	4.986	ug/l #	94
38) Carbon Tetrachloride	8.210	117	20981	5.395	ug/l	93
39) Methylcyclohexane	9.457	83	19906	4.937	ug/l	91
40) Benzene	8.457	78	57588	5.201	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	12227	5.238	ug/l #	81
42) 1,2-Dichloroethane	8.528	62	23844	5.602	ug/l	95
43) Isopropyl Acetate	8.551	43	33393	4.340	ug/l	98
44) Trichloroethene	9.216	130	15041	5.757	ug/l	91
45) 1,2-Dichloropropane	9.486	63	14723	4.948	ug/l	98
46) Dibromomethane	9.575	93	10058	5.331	ug/l	90
47) Bromodichloromethane	9.757	83	19736	5.017	ug/l	94
48) Methyl methacrylate	9.563	41	14774	4.734	ug/l	92
49) 1,4-Dioxane	9.569	88	5039	92.954	ug/l #	95
51) 4-Methyl-2-Pentanone	10.328	43	107143	24.282	ug/l	92
52) Toluene	10.498	92	34769	5.243	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	19842	5.004	ug/l	93
54) cis-1,3-Dichloropropene	10.180	75	21333	4.984	ug/l	93
55) 1,1,2-Trichloroethane	10.892	97	14425	5.203	ug/l	91
56) Ethyl methacrylate	10.757	69	18972	4.638	ug/l #	85
57) 1,3-Dichloropropane	11.039	76	24349	5.010	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.039	63	16949	17.908	ug/l	94
59) 2-Hexanone	11.086	43	70853	22.805	ug/l	90
60) Dibromochloromethane	11.233	129	15349	5.359	ug/l	98
61) 1,2-Dibromoethane	11.339	107	14621	5.322	ug/l	99
64) Tetrachloroethene	10.969	164	13292	6.223	ug/l	89
65) Chlorobenzene	11.769	112	35928	5.133	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	14122	5.344	ug/l	99
67) Ethyl Benzene	11.839	91	59408	4.893	ug/l	94
68) m/p-Xylenes	11.951	106	44359	9.781	ug/l	94
69) o-Xylene	12.274	106	21210	4.827	ug/l	91
70) Styrene	12.286	104	31671	4.583	ug/l	94
71) Bromoform	12.451	173	10469	5.293	ug/l #	94
73) Isopropylbenzene	12.574	105	53745	4.766	ug/l	98
74) N-amyl acetate	12.380	43	18059	4.339	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.821	83	21170	4.866	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	19218m	5.142	ug/l	
77) Bromobenzene	12.857	156	13415	4.988	ug/l	90
78) n-propylbenzene	12.916	91	54362	4.390	ug/l	99
79) 2-Chlorotoluene	13.004	91	39097	4.803	ug/l	93
80) 1,3,5-Trimethylbenzene	13.057	105	44450	4.719	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.627	75	4938	4.534	ug/l #	83
82) 4-Chlorotoluene	13.098	91	36052	4.762	ug/l	97
83) tert-Butylbenzene	13.321	119	38695	4.687	ug/l	96
84) 1,2,4-Trimethylbenzene	13.363	105	42194	4.656	ug/l	97
85) sec-Butylbenzene	13.498	105	50382	4.677	ug/l	97
86) p-Isopropyltoluene	13.610	119	38386	4.572	ug/l	95
87) 1,3-Dichlorobenzene	13.610	146	23050	5.289	ug/l	96
88) 1,4-Dichlorobenzene	13.692	146	22472	5.299	ug/l	95
89) n-Butylbenzene	13.939	91	28159	4.404	ug/l	96
90) Hexachloroethane	14.204	117	7971	4.389	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	21517	4.985	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	3463	4.463	ug/l	88
93) 1,2,4-Trichlorobenzene	15.262	180	6470	3.832	ug/l	98
94) Hexachlorobutadiene	15.368	225	5833	5.071	ug/l	97
95) Naphthalene	15.504	128	16744	3.497	ug/l	97
96) 1,2,3-Trichlorobenzene	15.704	180	7175	4.368	ug/l	95

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

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