

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100322\
 Data File : VN074707.D
 Acq On : 03 Oct 2022 14:01
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 05:28:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 05:26:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.934	168	190778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.822	114	343737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	355413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	184498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	23312	4.863	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.720%#		
35) Dibromofluoromethane	7.863	113	19440	5.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.520%#		
50) Toluene-d8	10.310	98	72512	4.774	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.540%#		
62) 4-Bromofluorobenzene	12.610	95	18922	4.266	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	8.540%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.999	85	19731	5.012	ug/l #	71
3) Chloromethane	2.216	50	37879	5.567	ug/l	97
4) Vinyl Chloride	2.357	62	58472	5.122	ug/l #	87
5) Bromomethane	2.716	94	53290	5.994	ug/l	90
6) Chloroethane	2.887	64	51908	5.850	ug/l	88
7) Trichlorofluoromethane	3.240	101	33334	5.422	ug/l	96
8) Diethyl Ether	3.681	74	12874	4.760	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.051	101	16205	4.685	ug/l #	24
10) Methyl Iodide	4.257	142	20302	4.833	ug/l #	89
11) Tert butyl alcohol	5.181	59	27694m	26.511	ug/l	
12) 1,1-Dichloroethene	4.022	96	17482	5.093	ug/l #	76
13) Acrolein	3.893	56	19066	39.632	ug/l	100
14) Allyl chloride	4.651	41	35435	5.027	ug/l #	87
15) Acrylonitrile	5.357	53	77435	25.999	ug/l #	86
16) Acetone	4.122	43	66390	25.359	ug/l	99
17) Carbon Disulfide	4.351	76	53979	5.366	ug/l #	89
18) Methyl Acetate	4.669	43	41407	4.764	ug/l #	72
19) Methyl tert-butyl Ether	5.416	73	70458	5.160	ug/l #	90
20) Methylene Chloride	4.899	84	25359	5.319	ug/l #	67
21) trans-1,2-Dichloroethene	5.398	96	18642	5.012	ug/l	96
22) Diisopropyl ether	6.304	45	81045	5.217	ug/l #	88
23) Vinyl Acetate	6.245	43	285707	24.229	ug/l #	90
24) 1,1-Dichloroethane	6.198	63	39949	5.187	ug/l #	90
25) 2-Butanone	7.163	43	120291	26.497	ug/l #	78
26) 2,2-Dichloropropane	7.151	77	28811	4.938	ug/l #	66
27) cis-1,2-Dichloroethene	7.157	96	23239	5.001	ug/l	93
28) Bromochloromethane	7.481	49	15851	4.294	ug/l #	74
29) Tetrahydrofuran	7.522	42	74419	24.879	ug/l #	85
30) Chloroform	7.657	83	38664	5.134	ug/l	99
31) Cyclohexane	7.934	56	41229	5.566	ug/l #	83
32) 1,1,1-Trichloroethane	7.851	97	33411	5.157	ug/l	94
36) 1,1-Dichloropropene	8.069	75	27896	4.635	ug/l	95
37) Ethyl Acetate	7.245	43	44921	5.270	ug/l #	90
38) Carbon Tetrachloride	8.051	117	25002	4.698	ug/l #	73
39) Methylcyclohexane	9.310	83	31178	4.277	ug/l #	85
40) Benzene	8.304	78	87896	4.790	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.475	41	18687	4.670	ug/l	87
42) 1,2-Dichloroethane	8.387	62	30351	4.833	ug/l	98
43) Isopropyl Acetate	8.416	43	59799	4.657	ug/l #	83
44) Trichloroethene	9.075	130	21235	5.242	ug/l	80
45) 1,2-Dichloropropane	9.357	63	24381	5.009	ug/l	93
46) Dibromomethane	9.445	93	15365	4.530	ug/l #	82
47) Bromodichloromethane	9.628	83	29705	4.812	ug/l #	88
48) Methyl methacrylate	9.428	41	26859	4.565	ug/l #	80
49) 1,4-Dioxane	9.439	88	9962	91.553	ug/l #	82
51) 4-Methyl-2-Pentanone	10.198	43	216086	23.356	ug/l	89
52) Toluene	10.369	92	49018	4.391	ug/l	90
53) t-1,3-Dichloropropene	10.592	75	27852	4.578	ug/l	99
54) cis-1,3-Dichloropropene	10.063	75	29068	4.272	ug/l #	86
55) 1,1,2-Trichloroethane	10.775	97	21815	4.858	ug/l	99
56) Ethyl methacrylate	10.633	69	32032	4.531	ug/l #	80
57) 1,3-Dichloropropane	10.922	76	39012	4.835	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.910	63	62328	22.864	ug/l	92
59) 2-Hexanone	10.963	43	156232	22.537	ug/l	87
60) Dibromochloromethane	11.110	129	16285	3.964	ug/l	83
61) 1,2-Dibromoethane	11.216	107	21578	4.860	ug/l	100
64) Tetrachloroethene	10.845	164	15230	5.252	ug/l	85
65) Chlorobenzene	11.645	112	53159	4.926	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.716	131	16211	4.553	ug/l	98
67) Ethyl Benzene	11.716	91	99344	4.940	ug/l	94
68) m/p-Xylenes	11.827	106	68879	9.190	ug/l	95
69) o-Xylene	12.151	106	38158	5.073	ug/l	89
70) Styrene	12.169	104	50306	4.190	ug/l	98
71) Bromoform	12.339	173	11519	4.396	ug/l #	93
73) Isopropylbenzene	12.457	105	90251	5.294	ug/l	98
74) N-amyl acetate	12.269	43	41162	4.885	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.698	83	38186	5.873	ug/l	95
76) 1,2,3-Trichloropropane	12.763	75	26771m	5.246	ug/l	
77) Bromobenzene	12.733	156	20104	5.517	ug/l	85
78) n-propylbenzene	12.798	91	98484	5.046	ug/l	100
79) 2-Chlorotoluene	12.880	91	60010	5.218	ug/l	100
80) 1,3,5-Trimethylbenzene	12.933	105	67332	4.948	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.498	75	7689	4.815	ug/l #	77
82) 4-Chlorotoluene	12.980	91	52628	4.732	ug/l	100
83) tert-Butylbenzene	13.198	119	65619	5.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	63997	4.883	ug/l	96
85) sec-Butylbenzene	13.374	105	83464	4.809	ug/l	97
86) p-Isopropyltoluene	13.492	119	64498	4.847	ug/l	96
87) 1,3-Dichlorobenzene	13.486	146	35133	5.073	ug/l	97
88) 1,4-Dichlorobenzene	13.569	146	36361	5.359	ug/l	94
89) n-Butylbenzene	13.821	91	58234	4.846	ug/l	90
90) Hexachloroethane	14.080	117	9120	4.042	ug/l	98
91) 1,2-Dichlorobenzene	13.857	146	32657	4.848	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.480	75	6042	5.048	ug/l	73
93) 1,2,4-Trichlorobenzene	15.133	180	15657	5.271	ug/l	88
94) Hexachlorobutadiene	15.233	225	7696	5.124	ug/l	91
95) Naphthalene	15.363	128	50049	4.435	ug/l	97
96) 1,2,3-Trichlorobenzene	15.551	180	15797	5.040	ug/l	99

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

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