

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075663.D
 Acq On : 09 Dec 2022 12:33
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 09 13:29:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 09 13:25:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	207104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	336513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	292633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	1512	0.955	ug/l	97
3) Chloromethane	2.371	50	2166	1.099	ug/l	96
4) Vinyl Chloride	2.530	62	2320	0.934	ug/l #	76
7) Trichlorofluoromethane	3.506	101	3177	0.895	ug/l	96
8) Diethyl Ether	3.983	74	1257	1.011	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.401	101	1859m	0.949	ug/l	
12) 1,1-Dichloroethene	4.359	96	1730	0.902	ug/l #	74
14) Allyl chloride	5.030	41	1980	0.798	ug/l #	94
15) Acrylonitrile	5.736	53	4144	3.870	ug/l #	55
16) Acetone	4.453	43	4157	4.009	ug/l	96
17) Carbon Disulfide	4.724	76	5304	1.064	ug/l	100
18) Methyl Acetate	5.036	43	3100	1.010	ug/l #	62
19) Methyl tert-butyl Ether	5.812	73	5484	0.807	ug/l	99
20) Methylene Chloride	5.283	84	2698	1.110	ug/l #	96
21) trans-1,2-Dichloroethene	5.795	96	2044	0.935	ug/l #	75
22) Diisopropyl ether	6.689	45	4539	0.802	ug/l #	90
23) Vinyl Acetate	6.612	43	16976m	3.769	ug/l	
24) 1,1-Dichloroethane	6.571	63	3101	0.853	ug/l #	82
25) 2-Butanone	7.500	43	5497	3.797	ug/l #	84
26) 2,2-Dichloropropane	7.500	77	2737	0.810	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	2622	1.061	ug/l	85
28) Bromochloromethane	7.818	49	1121	0.760	ug/l #	62
29) Tetrahydrofuran	7.853	42	3102	3.523	ug/l	97
30) Chloroform	7.971	83	3359	0.805	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	3067	0.809	ug/l #	50
36) 1,1-Dichloropropene	8.383	75	2556	0.887	ug/l	97
37) Ethyl Acetate	7.571	43	2145	0.826	ug/l #	77
38) Carbon Tetrachloride	8.371	117	3066	0.968	ug/l	85
39) Methylcyclohexane	9.606	83	2956	0.819	ug/l	97
40) Benzene	8.606	78	7851	0.889	ug/l	94
41) Methacrylonitrile	7.789	41	997m	0.751	ug/l	
42) 1,2-Dichloroethane	8.683	62	2692	0.911	ug/l #	75
43) Isopropyl Acetate	8.694	43	3304	0.793	ug/l	98
44) Trichloroethene	9.353	130	2295	0.950	ug/l	78
45) 1,2-Dichloropropane	9.630	63	1923	0.914	ug/l	98
46) Dibromomethane	9.712	93	1309	0.823	ug/l #	82

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Bromodichloromethane	9.894	83	2655	0.862	ug/l #	85
48) Methyl methacrylate	9.688	41	1506	0.782	ug/l	94
49) 1,4-Dioxane	9.700	88	667	12.192	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	10266	3.868	ug/l	97
52) Toluene	10.635	92	4739	0.833	ug/l	89
53) t-1,3-Dichloropropene	10.841	75	2301	0.744	ug/l	90
54) cis-1,3-Dichloropropene	10.318	75	2828	0.842	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	1981	0.855	ug/l #	87
56) Ethyl methacrylate	10.877	69	2491	0.796	ug/l	91
57) 1,3-Dichloropropane	11.165	76	3248	0.860	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	3395	3.009	ug/l	97
59) 2-Hexanone	11.200	43	7290	3.658	ug/l	94
60) Dibromochloromethane	11.359	129	2038	0.857	ug/l	95
61) 1,2-Dibromoethane	11.471	107	2305	0.959	ug/l	90
64) Tetrachloroethene	11.106	164	2312	1.035	ug/l #	79
65) Chlorobenzene	11.894	112	6179	1.022	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.965	131	1903	0.844	ug/l #	57
67) Ethyl Benzene	11.971	91	9284	0.900	ug/l #	84
68) m/p-Xylenes	12.076	106	7329	1.750	ug/l	97
69) o-Xylene	12.400	106	3340	0.803	ug/l	97
70) Styrene	12.412	104	5054	0.770	ug/l	99
71) Bromoform	12.576	173	1413	0.823	ug/l #	96
73) Isopropylbenzene	12.700	105	8356	0.927	ug/l	97
74) N-amyl acetate	12.494	43	2409	0.869	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	3076	1.119	ug/l #	88
76) 1,2,3-Trichloropropane	12.994	75	2804m	1.202	ug/l	
77) Bromobenzene	12.982	156	2339	1.051	ug/l	83
78) n-propylbenzene	13.041	91	9123	0.907	ug/l	98
79) 2-Chlorotoluene	13.129	91	6367	1.050	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	6502	0.868	ug/l	92
82) 4-Chlorotoluene	13.129	91	6367	1.050	ug/l	99
83) tert-Butylbenzene	13.441	119	6270	0.918	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	6566	0.874	ug/l	100
85) sec-Butylbenzene	13.618	105	8099	0.874	ug/l	99
86) p-Isopropyltoluene	13.735	119	6328	0.811	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	4357	1.033	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	4754m	1.110	ug/l	
89) n-Butylbenzene	14.059	91	5500	0.835	ug/l	98
90) Hexachloroethane	14.341	117	1129	0.839	ug/l	60
91) 1,2-Dichlorobenzene	14.112	146	4460	1.085	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.723	75	393	0.755	ug/l	90
93) 1,2,4-Trichlorobenzene	15.394	180	1897	0.900	ug/l	97
94) Hexachlorobutadiene	15.500	225	1045	0.952	ug/l	96
95) Naphthalene	15.641	128	6421	0.969	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.835	180	1950	0.942	ug/l	87

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

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