

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079767.D
 Acq On : 01 Nov 2023 12:50
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Nov 02 05:32:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:25:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/02/2023
 Supervised By : Mahesh Dadoda 11/02/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	305120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	520232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	463323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	42776	9.202	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.400%	#	
35) Dibromofluoromethane	8.171	113	34265	9.306	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.620%	#	
50) Toluene-d8	10.571	98	126619	9.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.680%	#	
62) 4-Bromofluorobenzene	12.853	95	38612	8.589	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	17.180%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	38913	10.588	ug/l	99
3) Chloromethane	2.359	50	49029	9.888	ug/l	100
4) Vinyl Chloride	2.512	62	47482	9.870	ug/l	94
5) Bromomethane	2.959	94	31407	10.745	ug/l	95
6) Chloroethane	3.118	64	38337m	10.048	ug/l	
7) Trichlorofluoromethane	3.495	101	60694	10.143	ug/l	97
8) Diethyl Ether	3.965	74	22149	9.754	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.365	101	35234	10.158	ug/l	98
10) Methyl Iodide	4.589	142	34786	8.782	ug/l #	95
11) Tert butyl alcohol	5.518	59	28602	48.199	ug/l	100
12) 1,1-Dichloroethene	4.336	96	32919	10.023	ug/l	91
13) Acrolein	4.183	56	25240	48.332	ug/l	99
14) Allyl chloride	5.024	41	48819	9.705	ug/l	93
15) Acrylonitrile	5.718	53	91043	49.231	ug/l	99
16) Acetone	4.430	43	80970	49.588	ug/l	96
17) Carbon Disulfide	4.718	76	90125	9.513	ug/l	98
18) Methyl Acetate	5.030	43	74825	9.578	ug/l #	88
19) Methyl tert-butyl Ether	5.795	73	109532	9.687	ug/l	95
20) Methylene Chloride	5.283	84	40531	9.837	ug/l	87
21) trans-1,2-Dichloroethene	5.789	96	36208	9.885	ug/l #	79
22) Diisopropyl ether	6.677	45	118719	10.184	ug/l #	88
23) Vinyl Acetate	6.606	43	318182	49.483	ug/l #	88
24) 1,1-Dichloroethane	6.565	63	71712	10.121	ug/l	96
25) 2-Butanone	7.489	43	123738	51.749	ug/l #	81
26) 2,2-Dichloropropane	7.489	77	58597	10.000	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	41943	9.573	ug/l	88
28) Bromochloromethane	7.812	49	33229	9.623	ug/l	82
29) Tetrahydrofuran	7.847	42	78463	50.436	ug/l #	77
30) Chloroform	7.965	83	73387	9.535	ug/l	96
31) Cyclohexane	8.259	56	61549	10.020	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	63266	10.089	ug/l	90
36) 1,1-Dichloropropene	8.377	75	51516	9.799	ug/l	97
37) Ethyl Acetate	7.565	43	48368	10.032	ug/l #	91
38) Carbon Tetrachloride	8.365	117	52898	9.984	ug/l	95
39) Methylcyclohexane	9.606	83	48928	9.889	ug/l	90
40) Benzene	8.606	78	160791	10.211	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26164	10.219	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	56366	10.248	ug/l	98
43) Isopropyl Acetate	8.694	43	80002	9.462	ug/l #	93
44) Trichloroethene	9.353	130	39290	10.055	ug/l	97
45) 1,2-Dichloropropane	9.624	63	41898	10.412	ug/l	96
46) Dibromomethane	9.712	93	28279	10.292	ug/l	96
47) Bromodichloromethane	9.888	83	56861	9.703	ug/l	91
48) Methyl methacrylate	9.688	41	35037	9.460	ug/l	87
49) 1,4-Dioxane	9.694	88	13556	207.143	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	243146	51.077	ug/l	91
52) Toluene	10.635	92	94865	10.162	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	55582	9.676	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	64299	10.269	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	37368	9.952	ug/l	91
56) Ethyl methacrylate	10.877	69	52623	9.826	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	66634	10.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	132437	48.789	ug/l	91
59) 2-Hexanone	11.200	43	182534	50.123	ug/l	89
60) Dibromochloromethane	11.359	129	39715	9.882	ug/l	99
61) 1,2-Dibromoethane	11.471	107	37543	9.962	ug/l	98
64) Tetrachloroethene	11.106	164	30838	10.277	ug/l	98
65) Chlorobenzene	11.894	112	100926	10.042	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.965	131	36163	9.987	ug/l	99
67) Ethyl Benzene	11.965	91	174883	9.987	ug/l	97
68) m/p-Xylenes	12.071	106	131260	20.123	ug/l	98
69) o-Xylene	12.400	106	64204	10.222	ug/l	99
70) Styrene	12.412	104	99899	9.896	ug/l	98
71) Bromoform	12.582	173	25149	9.781	ug/l #	96
73) Isopropylbenzene	12.694	105	156787	10.377	ug/l	100
74) N-amyl acetate	12.494	43	63057	9.561	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	54665	10.204	ug/l	96
76) 1,2,3-Trichloropropane	13.000	75	48700m	10.433	ug/l	
77) Bromobenzene	12.982	156	37866	10.236	ug/l	96
78) n-propylbenzene	13.035	91	179371	10.366	ug/l	96
79) 2-Chlorotoluene	13.129	91	113024	10.225	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	121877	10.367	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	15299	8.906	ug/l #	73
82) 4-Chlorotoluene	13.223	91	112395	10.232	ug/l	100
83) tert-Butylbenzene	13.441	119	98239	10.209	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	116736	10.093	ug/l	95
85) sec-Butylbenzene	13.618	105	136820	10.263	ug/l	99
86) p-Isopropyltoluene	13.729	119	105611	9.716	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	67014	9.738	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	67579	9.675	ug/l	94
89) n-Butylbenzene	14.059	91	88115	9.412	ug/l	96
90) Hexachloroethane	14.341	117	21830	10.141	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	64672	9.955	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8783	9.668	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	26887	8.704	ug/l	96
94) Hexachlorobutadiene	15.500	225	13185	9.416	ug/l	96
95) Naphthalene	15.647	128	84415	8.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	27339	9.029	ug/l	97

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

