

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079215.D
 Acq On : 11 Sep 2023 13:31
 Operator : JC\MD
 Sample : VSTDICC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC075

Quant Time: Sep 12 02:32:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 11 16:44:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	141088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	232001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	212678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	147094	77.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 154.460%#			
35) Dibromofluoromethane	8.171	113	120433	78.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 156.080%#			
50) Toluene-d8	10.571	98	455883	80.452	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 160.900%#			
62) 4-Bromofluorobenzene	12.853	95	159708	88.359	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 176.720%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	106560	76.332	ug/l	100
3) Chloromethane	2.365	50	128727	70.244	ug/l	99
4) Vinyl Chloride	2.512	62	150165	75.204	ug/l	100
5) Bromomethane	2.930	94	70839	61.719	ug/l	100
6) Chloroethane	3.106	64	95663	75.390	ug/l	99
7) Trichlorofluoromethane	3.489	101	210910	72.132	ug/l	96
8) Diethyl Ether	3.959	74	78685	77.532	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.365	101	113103	72.735	ug/l	96
10) Methyl Iodide	4.589	142	112549	88.482	ug/l	98
11) Tert butyl alcohol	5.530	59	116282	330.702	ug/l	99
12) 1,1-Dichloroethene	4.336	96	112741	74.922	ug/l	90
13) Acrolein	4.177	56	123382	367.855	ug/l	98
14) Allyl chloride	5.030	41	170431	71.000	ug/l	96
15) Acrylonitrile	5.724	53	337671	370.358	ug/l	99
16) Acetone	4.430	43	317286	392.256	ug/l	97
17) Carbon Disulfide	4.712	76	325446	69.199	ug/l	99
18) Methyl Acetate	5.024	43	241125	72.532	ug/l #	87
19) Methyl tert-butyl Ether	5.800	73	398750	77.266	ug/l	95
20) Methylene Chloride	5.277	84	134444	68.301	ug/l	89
21) trans-1,2-Dichloroethene	5.788	96	127025	72.769	ug/l #	82
22) Diisopropyl ether	6.677	45	414434	78.687	ug/l #	90
23) Vinyl Acetate	6.612	43	1294083	371.941	ug/l #	89
24) 1,1-Dichloroethane	6.571	63	237910	73.275	ug/l	99
25) 2-Butanone	7.488	43	460034	391.980	ug/l #	84
26) 2,2-Dichloropropane	7.494	77	204265	74.362	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	149112	74.706	ug/l	90
28) Bromochloromethane	7.818	49	120253	81.917	ug/l	84
29) Tetrahydrofuran	7.841	42	289587	387.737	ug/l #	80
30) Chloroform	7.971	83	246478	72.913	ug/l	93
31) Cyclohexane	8.265	56	192469	69.211	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	216383	75.092	ug/l	97
36) 1,1-Dichloropropene	8.377	75	183680	77.219	ug/l	97
37) Ethyl Acetate	7.565	43	180170	76.990	ug/l #	92
38) Carbon Tetrachloride	8.365	117	189440	76.959	ug/l	98
39) Methylcyclohexane	9.606	83	189775	80.881	ug/l	90
40) Benzene	8.612	78	552521	75.877	ug/l	100

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41) Methacrylonitrile	7.782	41	98319	80.193	ug/l #	87
42) 1,2-Dichloroethane	8.677	62	188975	75.384	ug/l	99
43) Isopropyl Acetate	8.694	43	294043	75.955	ug/l #	93
44) Trichloroethene	9.359	130	134606	75.039	ug/l	98
45) 1,2-Dichloropropane	9.624	63	136670	75.627	ug/l	99
46) Dibromomethane	9.712	93	93645	76.333	ug/l	91
47) Bromodichloromethane	9.894	83	192047	76.429	ug/l	97
48) Methyl methacrylate	9.682	41	139525	80.463	ug/l #	80
49) 1,4-Dioxane	9.700	88	54469	1527.207	ug/l #	86
51) 4-Methyl-2-Pentanone	10.453	43	882372	392.645	ug/l	94
52) Toluene	10.635	92	341525	76.318	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	212422	80.173	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	227840	80.400	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	132004	75.176	ug/l	95
56) Ethyl methacrylate	10.876	69	212054	85.550	ug/l #	88
57) 1,3-Dichloropropane	11.170	76	228284	75.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	416758	377.589	ug/l	92
59) 2-Hexanone	11.200	43	658352	404.478	ug/l	93
60) Dibromochloromethane	11.365	129	144926	77.551	ug/l	99
61) 1,2-Dibromoethane	11.476	107	136843	78.091	ug/l	97
64) Tetrachloroethene	11.112	164	109685	70.729	ug/l	94
65) Chlorobenzene	11.894	112	349603	72.562	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	133630	73.965	ug/l	97
67) Ethyl Benzene	11.970	91	647876	78.616	ug/l	99
68) m/p-Xylenes	12.076	106	491218	159.916	ug/l	96
69) o-Xylene	12.406	106	239795	81.397	ug/l	95
70) Styrene	12.417	104	406309	85.754	ug/l	99
71) Bromoform	12.582	173	105579	79.159	ug/l #	100
73) Isopropylbenzene	12.700	105	602876	69.518	ug/l	100
74) N-amyl acetate	12.500	43	248193	75.435	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	196167	60.745	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	156355m	63.231	ug/l	
77) Bromobenzene	12.982	156	147149	67.011	ug/l	100
78) n-propylbenzene	13.041	91	721077	74.018	ug/l	98
79) 2-Chlorotoluene	13.129	91	427198	67.046	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	511643	70.805	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	73034	78.159	ug/l	95
82) 4-Chlorotoluene	13.223	91	429349	71.712	ug/l	99
83) tert-Butylbenzene	13.441	119	431543	72.190	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	503711	73.194	ug/l	99
85) sec-Butylbenzene	13.623	105	594584	72.248	ug/l	99
86) p-Isopropyltoluene	13.735	119	494627	75.229	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	259315	71.998	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	253427	69.634	ug/l	98
89) n-Butylbenzene	14.059	91	401664	77.686	ug/l	99
90) Hexachloroethane	14.341	117	90707	67.935	ug/l	79
91) 1,2-Dichlorobenzene	14.111	146	249652	70.215	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	36126	70.995	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	110568	86.536	ug/l	96
94) Hexachlorobutadiene	15.506	225	61989	61.674	ug/l	98
95) Naphthalene	15.647	128	333606	87.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	112713	74.784	ug/l	96

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

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