

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091123\
 Data File : VN079217.D
 Acq On : 11 Sep 2023 14:19
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 12 02:34:34 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	8.230	168	125352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	210547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	184835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	30137	17.810	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	35.620%#		
35) Dibromofluoromethane	8.171	113	25159	17.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	35.920%#		
50) Toluene-d8	10.571	98	91718	17.835	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	35.680%#		
62) 4-Bromofluorobenzene	12.853	95	29572	18.028	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	36.060%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	27424	22.111	ug/l	96
3) Chloromethane	2.365	50	36168	22.214	ug/l	99
4) Vinyl Chloride	2.512	62	40268	22.698	ug/l	89
5) Bromomethane	2.948	94	22417	21.983	ug/l	97
6) Chloroethane	3.112	64	25438	21.885	ug/l	93
7) Trichlorofluoromethane	3.495	101	55173	21.238	ug/l	93
8) Diethyl Ether	3.959	74	18782	20.830	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	29976	21.697	ug/l	96
10) Methyl Iodide	4.589	142	24211	21.423	ug/l	95
11) Tert butyl alcohol	5.536	59	33177	106.199	ug/l	97
12) 1,1-Dichloroethene	4.342	96	29311	21.924	ug/l	94
13) Acrolein	4.189	56	31605	106.057	ug/l	100
14) Allyl chloride	5.024	41	49175	23.058	ug/l #	88
15) Acrylonitrile	5.730	53	88046	108.692	ug/l	98
16) Acetone	4.436	43	75722	105.366	ug/l	94
17) Carbon Disulfide	4.712	76	86263	20.645	ug/l	98
18) Methyl Acetate	5.030	43	63636	21.545	ug/l #	87
19) Methyl tert-butyl Ether	5.806	73	101421	22.119	ug/l	92
20) Methylene Chloride	5.283	84	35582	20.346	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	32800	21.149	ug/l #	81
22) Diisopropyl ether	6.677	45	105534	22.553	ug/l #	88
23) Vinyl Acetate	6.612	43	321066m	103.864	ug/l	
24) 1,1-Dichloroethane	6.571	63	63274	21.935	ug/l	98
25) 2-Butanone	7.488	43	114942	110.233	ug/l #	82
26) 2,2-Dichloropropane	7.494	77	51653	21.165	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	39160	22.082	ug/l	92
28) Bromochloromethane	7.818	49	23151	17.750	ug/l	81
29) Tetrahydrofuran	7.841	42	74058	111.606	ug/l #	80
30) Chloroform	7.971	83	64643	21.523	ug/l	93
31) Cyclohexane	8.259	56	52087	21.081	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	57972	22.644	ug/l	96
36) 1,1-Dichloropropene	8.377	75	47391	21.953	ug/l	96
37) Ethyl Acetate	7.565	43	49715	23.409	ug/l #	92
38) Carbon Tetrachloride	8.365	117	48941	21.908	ug/l	98
39) Methylcyclohexane	9.606	83	47081	22.110	ug/l #	85
40) Benzene	8.612	78	144974	21.938	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	24101	21.661	ug/l	89
42) 1,2-Dichloroethane	8.677	62	49510	21.762	ug/l	100
43) Isopropyl Acetate	8.694	43	74821	21.297	ug/l #	92
44) Trichloroethene	9.359	130	35023	21.514	ug/l	96
45) 1,2-Dichloropropane	9.624	63	35886	21.881	ug/l	95
46) Dibromomethane	9.712	93	24663	22.152	ug/l	91
47) Bromodichloromethane	9.894	83	50458	22.127	ug/l	98
48) Methyl methacrylate	9.688	41	34165	21.710	ug/l	84
49) 1,4-Dioxane	9.706	88	14271	440.904	ug/l #	84
51) 4-Methyl-2-Pentanone	10.453	43	224614	110.135	ug/l	94
52) Toluene	10.635	92	89185	21.960	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	52338	21.767	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	56045	21.792	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	34791	21.832	ug/l	96
56) Ethyl methacrylate	10.876	69	51206	22.763	ug/l #	86
57) 1,3-Dichloropropane	11.171	76	59349	21.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	100638	113.311	ug/l	91
59) 2-Hexanone	11.200	43	165539	112.067	ug/l	92
60) Dibromochloromethane	11.365	129	36452	21.493	ug/l	99
61) 1,2-Dibromoethane	11.476	107	36014	22.646	ug/l	95
64) Tetrachloroethene	11.106	164	28919	21.457	ug/l	89
65) Chlorobenzene	11.894	112	91069	21.749	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	34405	21.912	ug/l	97
67) Ethyl Benzene	11.970	91	161319	22.524	ug/l	97
68) m/p-Xylenes	12.076	106	120583	45.169	ug/l	95
69) o-Xylene	12.406	106	58511	22.853	ug/l	93
70) Styrene	12.418	104	95043	23.081	ug/l	98
71) Bromoform	12.582	173	26127	22.540	ug/l #	99
73) Isopropylbenzene	12.700	105	148368	20.989	ug/l	99
74) N-amyl acetate	12.500	43	58148	21.682	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	51985	19.749	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	40532m	20.110	ug/l	
77) Bromobenzene	12.988	156	35932	20.075	ug/l	99
78) n-propylbenzene	13.041	91	170658	21.492	ug/l	98
79) 2-Chlorotoluene	13.129	91	107503	20.699	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	124760	21.182	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	15100	19.825	ug/l #	80
82) 4-Chlorotoluene	13.223	91	102422	20.988	ug/l	99
83) tert-Butylbenzene	13.441	119	106208	21.797	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	121399	21.642	ug/l	98
85) sec-Butylbenzene	13.623	105	143463	21.387	ug/l	99
86) p-Isopropyltoluene	13.735	119	117762	21.974	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	61537	20.961	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	61262	20.651	ug/l	98
89) n-Butylbenzene	14.059	91	89964	21.347	ug/l	100
90) Hexachloroethane	14.335	117	22444	20.622	ug/l	77
91) 1,2-Dichlorobenzene	14.112	146	61885	21.353	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.729	75	8997	21.692	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	23226	22.301	ug/l	99
94) Hexachlorobutadiene	15.506	225	16517	20.161	ug/l	98
95) Naphthalene	15.647	128	66147	21.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	26462	21.540	ug/l	96

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

