

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100523\
 Data File : VN079427.D
 Acq On : 05 Oct 2023 18:14
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/06/2023
 Supervised By : Mahesh Dadoda 10/06/2023

Quant Time: Oct 06 03:04:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 02:55:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	255261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	456268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	404541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	76059	18.377	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.760%#		
35) Dibromofluoromethane	8.171	113	62066	18.929	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.860%#		
50) Toluene-d8	10.571	98	224167	18.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.780%#		
62) 4-Bromofluorobenzene	12.853	95	70110	18.414	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	36.820%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	76086	20.801	ug/l	99
3) Chloromethane	2.365	50	89424	19.593	ug/l	99
4) Vinyl Chloride	2.512	62	94090	19.820	ug/l	99
5) Bromomethane	2.948	94	56614	20.223	ug/l	99
6) Chloroethane	3.118	64	70517	20.023	ug/l	97
7) Trichlorofluoromethane	3.495	101	110083	19.640	ug/l	98
8) Diethyl Ether	3.965	74	38497	19.266	ug/l	61
9) 1,1,2-Trichlorotrifluo...	4.377	101	62390	19.047	ug/l	98
10) Methyl Iodide	4.594	142	54241	19.083	ug/l	95
11) Tert butyl alcohol	5.530	59	58631	94.121	ug/l	99
12) 1,1-Dichloroethene	4.336	96	58958	19.549	ug/l	87
13) Acrolein	4.177	56	60495	97.531	ug/l	96
14) Allyl chloride	5.030	41	102234	21.006	ug/l #	90
15) Acrylonitrile	5.730	53	177584	98.331	ug/l	98
16) Acetone	4.436	43	156320	95.224	ug/l	90
17) Carbon Disulfide	4.718	76	182472	19.396	ug/l	96
18) Methyl Acetate	5.036	43	150004	18.669	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	196741	20.077	ug/l	96
20) Methylene Chloride	5.277	84	71721	19.585	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	67133	19.058	ug/l #	83
22) Diisopropyl ether	6.683	45	223490	20.478	ug/l #	89
23) Vinyl Acetate	6.612	43	632371	103.011	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	128415	19.226	ug/l	97
25) 2-Butanone	7.488	43	239523	98.306	ug/l #	79
26) 2,2-Dichloropropane	7.500	77	100443	19.678	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	74201	19.390	ug/l	85
28) Bromochloromethane	7.818	49	62362	19.623	ug/l #	70
29) Tetrahydrofuran	7.847	42	157827	100.157	ug/l #	76
30) Chloroform	7.971	83	128351	19.019	ug/l	96
31) Cyclohexane	8.259	56	111797	19.043	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	109746	19.324	ug/l #	90
36) 1,1-Dichloropropene	8.377	75	99102	20.138	ug/l	94
37) Ethyl Acetate	7.571	43	98224	19.486	ug/l #	91
38) Carbon Tetrachloride	8.365	117	94767	19.236	ug/l	99
39) Methylcyclohexane	9.606	83	92636	19.593	ug/l #	87
40) Benzene	8.612	78	287185	19.650	ug/l	100

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41) Methacrylonitrile	7.783	41	50483	19.610	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	102380	19.279	ug/l	96
43) Isopropyl Acetate	8.694	43	161739	18.853	ug/l #	88
44) Trichloroethene	9.359	130	66475	19.325	ug/l	96
45) 1,2-Dichloropropane	9.629	63	74618	19.378	ug/l	97
46) Dibromomethane	9.712	93	49562	19.873	ug/l	95
47) Bromodichloromethane	9.894	83	98717	19.242	ug/l	98
48) Methyl methacrylate	9.688	41	71764	19.521	ug/l #	82
49) 1,4-Dioxane	9.700	88	29738	439.169	ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	489732	101.126	ug/l	88
52) Toluene	10.635	92	171501	19.935	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	102371	19.801	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	111567	19.713	ug/l #	86
55) 1,1,2-Trichloroethane	11.023	97	66341	19.208	ug/l	95
56) Ethyl methacrylate	10.876	69	93724	19.748	ug/l #	75
57) 1,3-Dichloropropane	11.165	76	117918	19.772	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	187024	102.899	ug/l #	88
59) 2-Hexanone	11.200	43	353874	101.263	ug/l	87
60) Dibromochloromethane	11.365	129	68562	19.752	ug/l	100
61) 1,2-Dibromoethane	11.476	107	68075	19.861	ug/l	97
64) Tetrachloroethene	11.106	164	53464	19.211	ug/l	98
65) Chlorobenzene	11.894	112	175192	19.446	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	64774	19.636	ug/l	97
67) Ethyl Benzene	11.965	91	308225	19.684	ug/l	94
68) m/p-Xylenes	12.076	106	232433	40.852	ug/l	94
69) o-Xylene	12.406	106	112225	20.057	ug/l	94
70) Styrene	12.418	104	183317	20.741	ug/l	98
71) Bromoform	12.582	173	46644	19.320	ug/l #	96
73) Isopropylbenzene	12.700	105	285411	19.185	ug/l	99
74) N-amyl acetate	12.500	43	118701	19.462	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	101253	20.366	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	88716m	18.721	ug/l	
77) Bromobenzene	12.982	156	65856	18.053	ug/l	91
78) n-propylbenzene	13.041	91	333171	19.794	ug/l	97
79) 2-Chlorotoluene	13.129	91	207638	19.278	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	237665	20.259	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	28488	17.928	ug/l #	84
82) 4-Chlorotoluene	13.223	91	199744	19.489	ug/l	99
83) tert-Butylbenzene	13.441	119	187615	19.520	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	233260	20.835	ug/l	99
85) sec-Butylbenzene	13.617	105	268635	20.038	ug/l	99
86) p-Isopropyltoluene	13.735	119	211933	20.606	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	111723	19.310	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	111145	18.604	ug/l	100
89) n-Butylbenzene	14.059	91	167468	20.391	ug/l	96
90) Hexachloroethane	14.335	117	43733	20.325	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	113741	20.154	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16365	19.023	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	36696	20.994	ug/l	98
94) Hexachlorobutadiene	15.506	225	26346	19.353	ug/l	97
95) Naphthalene	15.647	128	103396	19.372	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	41728	20.005	ug/l	98

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

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