

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020623\
 Data File : VN076542.D
 Acq On : 06 Feb 2023 14:22
 Operator : JC\MD
 Sample : VSTDIC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC075

Quant Time: Feb 07 01:00:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 00:55:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/07/2023
 Supervised By : Mahesh Dadoda 02/07/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	567269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	942020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	870307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	431449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	476861	49.653	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.300%			
35) Dibromofluoromethane	8.177	113	423039	51.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.980%			
50) Toluene-d8	10.571	98	1648848	57.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.760%#			
62) 4-Bromofluorobenzene	12.853	95	610231	64.704	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 129.400%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	460545	72.207	ug/l	99
3) Chloromethane	2.371	50	407840	70.737	ug/l	99
4) Vinyl Chloride	2.530	62	329307	69.065	ug/l	98
5) Bromomethane	2.942	94	229096	56.073	ug/l	96
6) Chloroethane	3.118	64	188749	63.369	ug/l	98
7) Trichlorofluoromethane	3.506	101	670718	64.658	ug/l	100
8) Diethyl Ether	3.971	74	271461	71.962	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.383	101	415552	68.720	ug/l	99
10) Methyl Iodide	4.600	142	654364	75.437	ug/l	99
11) Tert butyl alcohol	5.541	59	334782	350.644	ug/l	100
12) 1,1-Dichloroethene	4.353	96	405211	70.568	ug/l	98
13) Acrolein	4.189	56	446336	341.273	ug/l	99
14) Allyl chloride	5.036	41	575419	76.636	ug/l	99
15) Acrylonitrile	5.730	53	938721	351.112	ug/l	100
16) Acetone	4.442	43	722177	358.590	ug/l	99
17) Carbon Disulfide	4.724	76	1069587	73.299	ug/l	100
18) Methyl Acetate	5.042	43	509775	70.622	ug/l	100
19) Methyl tert-butyl Ether	5.806	73	1345151	72.096	ug/l	100
20) Methylene Chloride	5.289	84	456491	66.871	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	433425	71.646	ug/l	99
22) Diisopropyl ether	6.683	45	1209212	72.290	ug/l	98
23) Vinyl Acetate	6.612	43	4004534	371.464	ug/l	99
24) 1,1-Dichloroethane	6.577	63	760288	71.598	ug/l	100
25) 2-Butanone	7.488	43	1142450	342.181	ug/l	98
26) 2,2-Dichloropropane	7.500	77	632006	70.621	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	513812	72.544	ug/l	98
28) Bromochloromethane	7.824	49	328714	74.760	ug/l	99
29) Tetrahydrofuran	7.847	42	762669	358.978	ug/l	99
30) Chloroform	7.971	83	811306	69.594	ug/l	98
31) Cyclohexane	8.265	56	704203	55.620	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	744440	71.629	ug/l	98
36) 1,1-Dichloropropene	8.377	75	604513	72.574	ug/l	100
37) Ethyl Acetate	7.571	43	467009	70.290	ug/l	98
38) Carbon Tetrachloride	8.371	117	652753	71.923	ug/l	98
39) Methylcyclohexane	9.606	83	784361	77.628	ug/l	100
40) Benzene	8.612	78	1845925	72.793	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	259571	73.156	ug/l	98
42) 1,2-Dichloroethane	8.677	62	589154	69.911	ug/l	100
43) Isopropyl Acetate	8.694	43	792915	73.385	ug/l	100
44) Trichloroethene	9.353	130	478582	70.590	ug/l	99
45) 1,2-Dichloropropane	9.624	63	442231	71.883	ug/l	97
46) Dibromomethane	9.712	93	311495	70.603	ug/l	99
47) Bromodichloromethane	9.894	83	646141	73.184	ug/l	98
48) Methyl methacrylate	9.682	41	389096	75.391	ug/l	98
49) 1,4-Dioxane	9.700	88	177223	1457.730	ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	2345506	362.211	ug/l	100
52) Toluene	10.635	92	1206998	74.577	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	676286	79.139	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	754247	78.229	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	457207	72.172	ug/l	99
56) Ethyl methacrylate	10.876	69	686504	80.735	ug/l	100
57) 1,3-Dichloropropane	11.165	76	753151	72.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1075702	366.420	ug/l	99
59) 2-Hexanone	11.200	43	1704568	362.317	ug/l	100
60) Dibromochloromethane	11.359	129	505931	75.156	ug/l	100
61) 1,2-Dibromoethane	11.471	107	467536	73.881	ug/l	99
64) Tetrachloroethene	11.106	164	455681	62.025	ug/l	96
65) Chlorobenzene	11.894	112	1263493	70.203	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	474384	71.923	ug/l	99
67) Ethyl Benzene	11.965	91	2349465	74.158	ug/l	100
68) m/p-Xylenes	12.070	106	1841235	149.855	ug/l	100
69) o-Xylene	12.400	106	911026	75.445	ug/l	100
70) Styrene	12.412	104	1508730	78.560	ug/l	99
71) Bromoform	12.582	173	359805	76.445	ug/l #	99
73) Isopropylbenzene	12.700	105	2389908	69.494	ug/l	99
74) N-amyl acetate	12.494	43	721894	72.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	642370	64.448	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	569938m	60.887	ug/l	
77) Bromobenzene	12.982	156	545341	67.398	ug/l	99
78) n-propylbenzene	13.035	91	2769975	72.389	ug/l	100
79) 2-Chlorotoluene	13.129	91	1653742	68.080	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	2053614	70.441	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	203671	77.174	ug/l	97
82) 4-Chlorotoluene	13.129	91	1653742	68.080	ug/l	100
83) tert-Butylbenzene	13.441	119	1782904	68.774	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	2065507	71.420	ug/l	99
85) sec-Butylbenzene	13.617	105	2560318	73.267	ug/l	99
86) p-Isopropyltoluene	13.729	119	2168521	76.204	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	1044112	69.660	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	1025842	67.851	ug/l	100
89) n-Butylbenzene	14.059	91	1795627	79.541	ug/l	99
90) Hexachloroethane	14.335	117	362481	74.601	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	1016649	69.122	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	118375	68.901	ug/l	100
93) 1,2,4-Trichlorobenzene	15.394	180	516978	79.756	ug/l	99
94) Hexachlorobutadiene	15.506	225	263405	70.776	ug/l	98
95) Naphthalene	15.641	128	1513609	79.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	484461	77.744	ug/l	99

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

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