

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011623\
 Data File : VN076262.D
 Acq On : 16 Jan 2023 11:18
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: Jan 17 03:27:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:09:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	320544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	517017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	453787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	202701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	33716	9.394	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.780%#		
35) Dibromofluoromethane	8.171	113	30456	9.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.840%#		
50) Toluene-d8	10.565	98	109806	9.193	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.380%#		
62) 4-Bromofluorobenzene	12.853	95	34536	8.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	17.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	34452	10.710	ug/l	96
3) Chloromethane	2.377	50	34904	10.166	ug/l	99
4) Vinyl Chloride	2.530	62	41852	9.885	ug/l	99
5) Bromomethane	2.977	94	34241	10.026	ug/l	99
6) Chloroethane	3.136	64	31040	10.016	ug/l	92
7) Trichlorofluoromethane	3.512	101	56868	9.909	ug/l	95
8) Diethyl Ether	3.971	74	19183	10.115	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.394	101	34066	10.620	ug/l	97
10) Methyl Iodide	4.600	142	49618	10.001	ug/l	99
11) Tert butyl alcohol	5.530	59	24141	50.287	ug/l	98
12) 1,1-Dichloroethene	4.359	96	30697	10.300	ug/l	98
13) Acrolein	4.194	56	27631	48.128	ug/l	98
14) Allyl chloride	5.041	41	37303	10.671	ug/l	90
15) Acrylonitrile	5.736	53	67502	48.900	ug/l	97
16) Acetone	4.447	43	59437	50.088	ug/l	97
17) Carbon Disulfide	4.724	76	75610	10.080	ug/l	97
18) Methyl Acetate	5.041	43	38840	10.024	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	98404	9.920	ug/l	96
20) Methylene Chloride	5.294	84	35269	9.876	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	32099	9.742	ug/l	98
22) Diisopropyl ether	6.683	45	85802	10.074	ug/l	97
23) Vinyl Acetate	6.618	43	264462	48.907	ug/l	99
24) 1,1-Dichloroethane	6.583	63	57517	10.065	ug/l	99
25) 2-Butanone	7.494	43	88191	51.059	ug/l	99
26) 2,2-Dichloropropane	7.494	77	46879	9.608	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	37916	9.763	ug/l	99
28) Bromochloromethane	7.818	49	21348	9.258	ug/l	99
29) Tetrahydrofuran	7.841	42	55875	51.498	ug/l	98
30) Chloroform	7.971	83	62299	9.800	ug/l	98
31) Cyclohexane	8.265	56	56096	10.174	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	56305	9.941	ug/l	93
36) 1,1-Dichloropropene	8.377	75	44575	9.722	ug/l	98
37) Ethyl Acetate	7.565	43	33601	9.234	ug/l #	92
38) Carbon Tetrachloride	8.365	117	50624	9.912	ug/l	97
39) Methylcyclohexane	9.606	83	54271	9.785	ug/l	99
40) Benzene	8.612	78	136726	10.014	ug/l	99

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41) Methacrylonitrile	7.782	41	20080	10.711	ug/l	98
42) 1,2-Dichloroethane	8.671	62	46352	9.879	ug/l	98
43) Isopropyl Acetate	8.694	43	58576	7.427	ug/l	97
44) Trichloroethene	9.353	130	38467	10.031	ug/l	97
45) 1,2-Dichloropropane	9.623	63	32522	9.929	ug/l	92
46) Dibromomethane	9.712	93	24351	9.915	ug/l	97
47) Bromodichloromethane	9.888	83	47459	9.985	ug/l	94
48) Methyl methacrylate	9.682	41	26795	9.851	ug/l	98
49) 1,4-Dioxane	9.694	88	11604	197.159	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	176417	50.473	ug/l	98
52) Toluene	10.629	92	92447	10.255	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	44067	9.714	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	52278	10.133	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	34782	10.151	ug/l	93
56) Ethyl methacrylate	10.876	69	42444	9.481	ug/l	93
57) 1,3-Dichloropropane	11.165	76	56103	10.139	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	72411	48.184	ug/l	100
59) 2-Hexanone	11.194	43	124902	49.680	ug/l	98
60) Dibromochloromethane	11.359	129	36578	9.758	ug/l	100
61) 1,2-Dibromoethane	11.470	107	35181	10.138	ug/l	98
64) Tetrachloroethene	11.106	164	41762	10.419	ug/l	99
65) Chlorobenzene	11.894	112	95693	10.069	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	35576	10.065	ug/l	99
67) Ethyl Benzene	11.965	91	165217	10.111	ug/l	96
68) m/p-Xylenes	12.070	106	131940	20.442	ug/l	99
69) o-Xylene	12.400	106	64085	10.127	ug/l	98
70) Styrene	12.412	104	99564	9.940	ug/l	99
71) Bromoform	12.576	173	24549	9.585	ug/l #	98
73) Isopropylbenzene	12.700	105	163800	10.592	ug/l	100
74) N-amyl acetate	12.494	43	45088	10.336	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	43747	9.625	ug/l	96
76) 1,2,3-Trichloropropane	12.994	75	34391m	8.245	ug/l	
77) Bromobenzene	12.982	156	40112	10.397	ug/l	97
78) n-propylbenzene	13.035	91	178798	10.459	ug/l	100
79) 2-Chlorotoluene	13.129	91	109634	10.296	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	137585	10.572	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	11062	9.080	ug/l	90
82) 4-Chlorotoluene	13.129	91	109634	10.296	ug/l	100
83) tert-Butylbenzene	13.441	119	122723	10.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	138168	10.872	ug/l	99
85) sec-Butylbenzene	13.617	105	164588	10.401	ug/l	100
86) p-Isopropyltoluene	13.729	119	135432	10.488	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	71354	10.089	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	70033	9.978	ug/l	99
89) n-Butylbenzene	14.059	91	101141	9.895	ug/l	98
90) Hexachloroethane	14.329	117	22281	9.800	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	71367	10.012	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	7288	9.627	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	30695	10.043	ug/l	98
94) Hexachlorobutadiene	15.505	225	18333	9.849	ug/l	96
95) Naphthalene	15.641	128	80951	9.521	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	30742	10.316	ug/l	95

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

