

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075891.D
 Acq On : 20 Dec 2022 12:11
 Operator : JC\MD
 Sample : VN1220WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2022
 Supervised By : Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 01:27:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	316405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	505768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	451498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	182085	52.898	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.800%			
35) Dibromofluoromethane	8.171	113	168951	53.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.880%			
50) Toluene-d8	10.571	98	622681	53.172	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.340%			
62) 4-Bromofluorobenzene	12.853	95	209920	54.121	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	41630	18.530	ug/l	92
3) Chloromethane	2.371	50	48926	17.514	ug/l	95
4) Vinyl Chloride	2.530	62	57906	17.377	ug/l	98
5) Bromomethane	2.965	94	51116	18.049	ug/l	96
6) Chloroethane	3.130	64	43234	17.520	ug/l	98
7) Trichlorofluoromethane	3.512	101	97543	19.291	ug/l	94
8) Diethyl Ether	3.977	74	38910	21.068	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.389	101	57795	20.017	ug/l	99
10) Methyl Iodide	4.606	142	89802	19.165	ug/l	99
11) Tert butyl alcohol	5.530	59	49938	102.528	ug/l	99
12) 1,1-Dichloroethene	4.359	96	54325	19.372	ug/l	98
13) Acrolein	4.189	56	65409	109.539	ug/l	98
14) Allyl chloride	5.036	41	69568	21.222	ug/l	98
15) Acrylonitrile	5.730	53	135413	101.877	ug/l	100
16) Acetone	4.442	43	114542	96.530	ug/l	98
17) Carbon Disulfide	4.724	76	116989	17.230	ug/l	96
18) Methyl Acetate	5.042	43	71726	20.450	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	201042	21.770	ug/l	99
20) Methylene Chloride	5.289	84	67122	20.772	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	60101	19.570	ug/l	92
22) Diisopropyl ether	6.683	45	170095	21.359	ug/l	96
23) Vinyl Acetate	6.618	43	565216	105.450	ug/l	98
24) 1,1-Dichloroethane	6.583	63	105215	19.811	ug/l	99
25) 2-Butanone	7.488	43	174960	105.306	ug/l	100
26) 2,2-Dichloropropane	7.500	77	92287	20.519	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	74723	20.344	ug/l	98
28) Bromochloromethane	7.818	49	46168	19.833	ug/l	100
29) Tetrahydrofuran	7.841	42	106663	102.444	ug/l	97
30) Chloroform	7.971	83	118919	19.887	ug/l	96
31) Cyclohexane	8.265	56	92891	18.843	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	105894	19.975	ug/l	97
36) 1,1-Dichloropropene	8.377	75	82989	19.946	ug/l	99
37) Ethyl Acetate	7.565	43	67907	20.319	ug/l	99
38) Carbon Tetrachloride	8.371	117	90778	19.494	ug/l	96
39) Methylcyclohexane	9.606	83	107467	21.409	ug/l	99
40) Benzene	8.612	78	257912	20.091	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	36110	20.786	ug/l	95
42) 1,2-Dichloroethane	8.677	62	87579	20.521	ug/l	100
43) Isopropyl Acetate	8.694	43	120288	21.819	ug/l	100
44) Trichloroethene	9.353	130	68879	19.046	ug/l	98
45) 1,2-Dichloropropane	9.624	63	62694	20.069	ug/l	97
46) Dibromomethane	9.712	93	46382	20.018	ug/l	97
47) Bromodichloromethane	9.888	83	92363	20.328	ug/l	98
48) Methyl methacrylate	9.688	41	54729	22.041	ug/l	99
49) 1,4-Dioxane	9.700	88	25119	411.492	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	363796	109.115	ug/l	99
52) Toluene	10.629	92	170051	20.339	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	92682	20.838	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	104568	21.413	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	68153	20.768	ug/l	94
56) Ethyl methacrylate	10.876	69	96553	22.151	ug/l	98
57) 1,3-Dichloropropane	11.165	76	111520	20.718	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	145000	104.484	ug/l	98
59) 2-Hexanone	11.200	43	266667	109.675	ug/l	99
60) Dibromochloromethane	11.365	129	76065	20.843	ug/l	99
61) 1,2-Dibromoethane	11.471	107	70516	21.234	ug/l	99
64) Tetrachloroethene	11.106	164	69620	21.913	ug/l	97
65) Chlorobenzene	11.894	112	184982	19.962	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	69572	20.269	ug/l	99
67) Ethyl Benzene	11.965	91	320391	20.485	ug/l	97
68) m/p-Xylenes	12.070	106	259985	41.998	ug/l	100
69) o-Xylene	12.400	106	129366	21.117	ug/l	98
70) Styrene	12.412	104	211759	21.740	ug/l	98
71) Bromoform	12.582	173	52692	21.097	ug/l #	99
73) Isopropylbenzene	12.700	105	337553	21.883	ug/l	100
74) N-amyl acetate	12.494	43	101876	22.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	95071	19.937	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	71121m	16.529	ug/l	
77) Bromobenzene	12.982	156	79070	20.255	ug/l	99
78) n-propylbenzene	13.041	91	374547	22.015	ug/l	100
79) 2-Chlorotoluene	13.129	91	220564	20.769	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	278599	21.580	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	25723	21.519	ug/l	96
82) 4-Chlorotoluene	13.129	91	220564	20.769	ug/l	98
83) tert-Butylbenzene	13.441	119	248290	21.813	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	280053	21.867	ug/l	100
85) sec-Butylbenzene	13.617	105	348837	22.204	ug/l	99
86) p-Isopropyltoluene	13.729	119	292229	22.354	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	149702	20.760	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	147989	20.090	ug/l	99
89) n-Butylbenzene	14.059	91	231401	21.850	ug/l	100
90) Hexachloroethane	14.335	117	49137	21.013	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	147222	20.728	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16868	19.936	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	74838	21.283	ug/l	99
94) Hexachlorobutadiene	15.506	225	40582	21.153	ug/l	99
95) Naphthalene	15.641	128	225549	20.748	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	72095	21.936	ug/l	98

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

