

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075775.D
 Acq On : 14 Dec 2022 17:15
 Operator : JC\MD
 Sample : VN1214WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 00:28:25 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	299224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	478911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	430079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	171829	52.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.560%			
35) Dibromofluoromethane	8.171	113	154665	52.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.300%			
50) Toluene-d8	10.571	98	587547	52.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.980%			
62) 4-Bromofluorobenzene	12.853	95	196758	53.572	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	41308	19.443	ug/l	98
3) Chloromethane	2.371	50	51602	19.532	ug/l #	88
4) Vinyl Chloride	2.524	62	63338	20.099	ug/l	97
5) Bromomethane	2.959	94	54450	20.330	ug/l	94
6) Chloroethane	3.124	64	47722	20.449	ug/l	98
7) Trichlorofluoromethane	3.506	101	94819	19.829	ug/l	88
8) Diethyl Ether	3.971	74	35278	20.199	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	55319	20.259	ug/l	98
10) Methyl Iodide	4.601	142	88640	20.003	ug/l	99
11) Tert butyl alcohol	5.536	59	49614	107.712	ug/l	100
12) 1,1-Dichloroethene	4.353	96	52453	19.779	ug/l	96
13) Acrolein	4.195	56	60160	106.534	ug/l	100
14) Allyl chloride	5.036	41	59805	19.291	ug/l	88
15) Acrylonitrile	5.730	53	132184	105.158	ug/l	99
16) Acetone	4.442	43	125292	111.653	ug/l	99
17) Carbon Disulfide	4.724	76	120711	18.799	ug/l	97
18) Methyl Acetate	5.042	43	71080	21.429	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	184146	21.086	ug/l	97
20) Methylene Chloride	5.289	84	59899	19.564	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	57338	19.742	ug/l	86
22) Diisopropyl ether	6.683	45	159918	21.234	ug/l	98
23) Vinyl Acetate	6.612	43	529530	104.465	ug/l	99
24) 1,1-Dichloroethane	6.583	63	99978	19.906	ug/l	99
25) 2-Butanone	7.489	43	176703	112.462	ug/l	97
26) 2,2-Dichloropropane	7.494	77	85672	20.142	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	69008	19.867	ug/l	96
28) Bromochloromethane	7.824	49	40584	18.435	ug/l	100
29) Tetrahydrofuran	7.841	42	105360	107.003	ug/l	97
30) Chloroform	7.971	83	112029	19.811	ug/l	100
31) Cyclohexane	8.259	56	90707	19.456	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	102375	20.420	ug/l	96
36) 1,1-Dichloropropene	8.377	75	79678	20.224	ug/l	99
37) Ethyl Acetate	7.571	43	64202	20.287	ug/l	97
38) Carbon Tetrachloride	8.365	117	90664	20.561	ug/l	99
39) Methylcyclohexane	9.606	83	100449	21.133	ug/l	98
40) Benzene	8.612	78	246494	20.278	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	36124	21.961	ug/l	96
42) 1,2-Dichloroethane	8.677	62	83795	20.735	ug/l	98
43) Isopropyl Acetate	8.694	43	115148	22.058	ug/l	99
44) Trichloroethene	9.353	130	67502	19.712	ug/l	90
45) 1,2-Dichloropropane	9.624	63	60845	20.569	ug/l	95
46) Dibromomethane	9.712	93	44579	20.319	ug/l	99
47) Bromodichloromethane	9.894	83	86291	20.056	ug/l	97
48) Methyl methacrylate	9.688	41	53586	22.791	ug/l	96
49) 1,4-Dioxane	9.700	88	26937	466.021	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	358863	113.672	ug/l	100
52) Toluene	10.635	92	161929	20.454	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	87827	20.853	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	94603	20.459	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	65686	21.139	ug/l	95
56) Ethyl methacrylate	10.877	69	91101	22.072	ug/l	99
57) 1,3-Dichloropropane	11.165	76	107534	21.098	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	114822	87.378	ug/l	98
59) 2-Hexanone	11.194	43	267178	116.048	ug/l	98
60) Dibromochloromethane	11.359	129	71361	20.650	ug/l	100
61) 1,2-Dibromoethane	11.471	107	67701	21.530	ug/l	100
64) Tetrachloroethene	11.106	164	60610	20.027	ug/l	96
65) Chlorobenzene	11.894	112	175825	19.918	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	66103	20.217	ug/l	99
67) Ethyl Benzene	11.965	91	311322	20.897	ug/l	98
68) m/p-Xylenes	12.071	106	251551	42.660	ug/l	98
69) o-Xylene	12.400	106	121449	20.812	ug/l	98
70) Styrene	12.412	104	196993	21.232	ug/l	99
71) Bromoform	12.582	173	49870	20.961	ug/l #	96
73) Isopropylbenzene	12.700	105	320531	21.285	ug/l	100
74) N-amyl acetate	12.494	43	99505	22.524	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	93165	20.013	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	81496m	19.401	ug/l	
77) Bromobenzene	12.982	156	77120	20.236	ug/l	99
78) n-propylbenzene	13.041	91	357098	21.500	ug/l	99
79) 2-Chlorotoluene	13.129	91	214265	20.666	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	274867	21.809	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	25803	22.111	ug/l	97
82) 4-Chlorotoluene	13.129	91	214265	20.666	ug/l	99
83) tert-Butylbenzene	13.441	119	239574	21.559	ug/l	100
84) 1,2,4-Trimethylbenzene	13.488	105	269760	21.575	ug/l	99
85) sec-Butylbenzene	13.618	105	335099	21.848	ug/l	100
86) p-Isopropyltoluene	13.729	119	283512	22.215	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	143027	20.317	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	142599	19.829	ug/l	99
89) n-Butylbenzene	14.059	91	220405	21.318	ug/l	100
90) Hexachloroethane	14.335	117	46945	20.564	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	145054	20.919	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16528	20.009	ug/l	100
93) 1,2,4-Trichlorobenzene	15.394	180	72032	20.983	ug/l	98
94) Hexachlorobutadiene	15.506	225	38805	20.719	ug/l	99
95) Naphthalene	15.641	128	219255	20.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	69631	21.701	ug/l	98

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

