

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071205.D
 Acq On : 09 Mar 2022 13:07
 Operator : JC\MD
 Sample : VN0309WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 10 00:56:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	637896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1032512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	914629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	361001	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.434	65	424061	48.505	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.020%
35) Dibromofluoromethane	8.016	113	317701	48.761	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.520%
50) Toluene-d8	10.439	98	1283382	48.922	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.840%
62) 4-Bromofluorobenzene	12.727	95	420314	47.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.640%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.069	85	125793	17.993	ug/l	97
3) Chloromethane	2.305	50	177005	18.837	ug/l	99
4) Vinyl Chloride	2.446	62	160420	18.724	ug/l	99
5) Bromomethane	2.852	94	94221	21.184	ug/l	99
6) Chloroethane	3.016	64	99558	19.188	ug/l	99
7) Trichlorofluoromethane	3.375	101	210172	18.637	ug/l	98
8) Diethyl Ether	3.828	74	87412	18.114	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.216	101	123640	18.939	ug/l	94
10) Methyl Iodide	4.422	142	168404	18.264	ug/l	99
11) Tert butyl alcohol	5.351	59	139706	81.345	ug/l	98
12) 1,1-Dichloroethene	4.187	96	119588	18.700	ug/l	91
13) Acrolein	4.046	56	112222	61.734	ug/l	97
14) Allyl chloride	4.846	41	252002	18.118	ug/l	87
15) Acrylonitrile	5.551	53	437882	85.865	ug/l	99
16) Acetone	4.281	43	475192	111.708	ug/l	97
17) Carbon Disulfide	4.534	76	321629	17.666	ug/l	99
18) Methyl Acetate	4.851	43	205347	18.275	ug/l	97
19) Methyl tert-butyl Ether	5.610	73	458533	19.097	ug/l	97
20) Methylene Chloride	5.093	84	146615	19.096	ug/l	93
21) trans-1,2-Dichloroethene	5.598	96	127847	18.277	ug/l	93
22) Diisopropyl ether	6.493	45	521437	19.029	ug/l	94
23) Vinyl Acetate	6.428	43	2170073	93.544	ug/l	99
24) 1,1-Dichloroethane	6.387	63	268381	18.535	ug/l	100
25) 2-Butanone	7.328	43	634949	92.660	ug/l	97
26) 2,2-Dichloropropane	7.328	77	220177	19.710	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	152742	18.398	ug/l	88
28) Bromochloromethane	7.657	49	96428	14.954	ug/l	82
29) Tetrahydrofuran	7.681	42	411523	86.687	ug/l	91
30) Chloroform	7.816	83	258410	18.711	ug/l	97
31) Cyclohexane	8.092	56	264333	18.933	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	224345	19.071	ug/l	97
36) 1,1-Dichloropropene	8.222	75	196259	18.800	ug/l	96
37) Ethyl Acetate	7.404	43	255128	17.758	ug/l	97
38) Carbon Tetrachloride	8.210	117	191255	18.941	ug/l	94
39) Methylcyclohexane	9.457	83	244185	19.883	ug/l	93
40) Benzene	8.457	78	598606	19.032	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	125644	17.870	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	213598	19.515	ug/l	99
43) Isopropyl Acetate	8.557	43	372497	17.338	ug/l	98
44) Trichloroethene	9.210	130	143923	19.393	ug/l	99
45) 1,2-Dichloropropane	9.486	63	158838	18.812	ug/l	98
46) Dibromomethane	9.575	93	98608	18.975	ug/l	96
47) Bromodichloromethane	9.757	83	200638	19.104	ug/l	97
48) Methyl methacrylate	9.557	41	175479	17.625	ug/l #	85
49) 1,4-Dioxane	9.563	88	59497	343.788	ug/l #	87
51) 4-Methyl-2-Pentanone	10.328	43	1180691	88.551	ug/l	99
52) Toluene	10.498	92	372211	19.218	ug/l	97
53) t-1,3-Dichloropropene	10.716	75	213714	18.460	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	238186	18.830	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	143514	18.492	ug/l	97
56) Ethyl methacrylate	10.757	69	230876	18.216	ug/l	91
57) 1,3-Dichloropropane	11.039	76	260527	18.702	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	167717	83.831	ug/l	94
59) 2-Hexanone	11.081	43	828239	91.040	ug/l	100
60) Dibromochloromethane	11.233	129	143903	18.661	ug/l	97
61) 1,2-Dibromoethane	11.339	107	145468	18.339	ug/l	99
64) Tetrachloroethene	10.975	164	128914	20.209	ug/l	97
65) Chlorobenzene	11.763	112	376822	19.184	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	139618	19.385	ug/l	99
67) Ethyl Benzene	11.839	91	693272	19.962	ug/l	97
68) m/p-Xylenes	11.951	106	520729	40.986	ug/l	98
69) o-Xylene	12.275	106	257554	20.223	ug/l	99
70) Styrene	12.292	104	398649	20.222	ug/l	98
71) Bromoform	12.451	173	104525	19.110	ug/l #	99
73) Isopropylbenzene	12.575	105	661553	19.010	ug/l	99
74) N-amyl acetate	12.386	43	219076	16.743	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.822	83	211996	18.907	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	188377m	19.827	ug/l	
77) Bromobenzene	12.857	156	151466	18.665	ug/l	84
78) n-propylbenzene	12.916	91	729125	19.525	ug/l	98
79) 2-Chlorotoluene	13.004	91	457882	19.101	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	532604	19.672	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.622	75	54818	16.415	ug/l	94
82) 4-Chlorotoluene	13.104	91	414470	19.411	ug/l	96
83) tert-Butylbenzene	13.322	119	475197	19.667	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	507318	19.563	ug/l	100
85) sec-Butylbenzene	13.498	105	637120	19.839	ug/l	98
86) p-Isopropyltoluene	13.610	119	498370	19.732	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	248924	18.879	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	242173	18.790	ug/l	98
89) n-Butylbenzene	13.939	91	371147	18.788	ug/l	97
90) Hexachloroethane	14.210	117	92613	18.439	ug/l	92
91) 1,2-Dichlorobenzene	13.986	146	240949	19.008	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	34011	16.797	ug/l	85
93) 1,2,4-Trichlorobenzene	15.263	180	99576	18.814	ug/l	99
94) Hexachlorobutadiene	15.363	225	72211	20.292	ug/l	96
95) Naphthalene	15.504	128	214352	16.707	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	91968	18.072	ug/l	97

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

