

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071206.D
 Acq On : 09 Mar 2022 13:45
 Operator : JC\MD
 Sample : VN0309WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0309WBS02

Manual Integrations
 APPROVED

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

Quant Time: Mar 10 00:57:03 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	607289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	983025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	877172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	346574	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	411313	49.418	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.840%
35) Dibromofluoromethane	8.016	113	311059	50.145	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.280%
50) Toluene-d8	10.439	98	1222842	48.961	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.920%
62) 4-Bromofluorobenzene	12.727	95	410762	48.568	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.140%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.075	85	120546	18.112	ug/l	95
3) Chloromethane	2.299	50	166273	18.587	ug/l	99
4) Vinyl Chloride	2.446	62	151348	18.555	ug/l	98
5) Bromomethane	2.852	94	89420	21.097	ug/l	97
6) Chloroethane	3.016	64	91551	18.534	ug/l	96
7) Trichlorofluoromethane	3.375	101	199647	18.596	ug/l	95
8) Diethyl Ether	3.822	74	88638	19.294	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.210	101	116344	18.720	ug/l	96
10) Methyl Iodide	4.428	142	161432	18.390	ug/l	99
11) Tert butyl alcohol	5.363	59	145524	89.003	ug/l	99
12) 1,1-Dichloroethene	4.187	96	110721	18.186	ug/l	94
13) Acrolein	4.046	56	108400	62.637	ug/l	98
14) Allyl chloride	4.840	41	239048	18.052	ug/l	87
15) Acrylonitrile	5.551	53	432290	89.041	ug/l	99
16) Acetone	4.281	43	383352	94.660	ug/l	99
17) Carbon Disulfide	4.534	76	300732	17.350	ug/l	98
18) Methyl Acetate	4.851	43	208042	19.418	ug/l	95
19) Methyl tert-butyl Ether	5.616	73	445091	19.471	ug/l	95
20) Methylene Chloride	5.098	84	141021	19.289	ug/l	88
21) trans-1,2-Dichloroethene	5.598	96	123196	18.500	ug/l	90
22) Diisopropyl ether	6.487	45	498116	19.094	ug/l	96
23) Vinyl Acetate	6.434	43	2121123	96.042	ug/l	98
24) 1,1-Dichloroethane	6.387	63	255598	18.542	ug/l	99
25) 2-Butanone	7.328	43	592621	90.841	ug/l	94
26) 2,2-Dichloropropane	7.316	77	204516	19.231	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	148157	18.745	ug/l	91
28) Bromochloromethane	7.657	49	91864	14.965	ug/l	83
29) Tetrahydrofuran	7.681	42	410572	90.845	ug/l	91
30) Chloroform	7.816	83	249000	18.939	ug/l	99
31) Cyclohexane	8.092	56	251242	18.903	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	211920	18.922	ug/l	97
36) 1,1-Dichloropropene	8.216	75	183905	18.504	ug/l	97
37) Ethyl Acetate	7.410	43	247632	18.104	ug/l	97
38) Carbon Tetrachloride	8.204	117	177687	18.483	ug/l	99
39) Methylcyclohexane	9.457	83	226294	19.354	ug/l	93
40) Benzene	8.457	78	566570	18.920	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	126815	18.945	ug/l #	85
42) 1,2-Dichloroethane	8.528	62	208815	20.039	ug/l	99
43) Isopropyl Acetate	8.557	43	364412	17.815	ug/l	97
44) Trichloroethene	9.210	130	136780	19.359	ug/l	93
45) 1,2-Dichloropropane	9.486	63	153571	19.104	ug/l	97
46) Dibromomethane	9.569	93	93592	18.916	ug/l	98
47) Bromodichloromethane	9.757	83	192171	19.219	ug/l	99
48) Methyl methacrylate	9.557	41	173882	18.344	ug/l #	84
49) 1,4-Dioxane	9.563	88	61681	374.350	ug/l #	85
51) 4-Methyl-2-Pentanone	10.327	43	1179239	92.894	ug/l	100
52) Toluene	10.504	92	351592	19.067	ug/l	97
53) t-1,3-Dichloropropene	10.716	75	205975	18.688	ug/l	96
54) cis-1,3-Dichloropropene	10.186	75	230942	19.176	ug/l	99
55) 1,1,2-Trichloroethane	10.892	97	141199	19.109	ug/l	98
56) Ethyl methacrylate	10.757	69	227013	18.813	ug/l	92
57) 1,3-Dichloropropane	11.039	76	250247	18.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	175212	89.275	ug/l	94
59) 2-Hexanone	11.080	43	808871	93.387	ug/l	100
60) Dibromochloromethane	11.233	129	140507	19.138	ug/l	99
61) 1,2-Dibromoethane	11.339	107	141223	18.701	ug/l	97
64) Tetrachloroethene	10.975	164	122007	19.943	ug/l	99
65) Chlorobenzene	11.763	112	365591	19.407	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	135034	19.549	ug/l	99
67) Ethyl Benzene	11.839	91	655324	19.675	ug/l	98
68) m/p-Xylenes	11.951	106	490643	40.267	ug/l	96
69) o-Xylene	12.274	106	248424	20.339	ug/l	98
70) Styrene	12.292	104	379093	20.051	ug/l	98
71) Bromoform	12.451	173	101376	19.326	ug/l #	100
73) Isopropylbenzene	12.574	105	627825	18.792	ug/l	99
74) N-amyl acetate	12.386	43	229602	18.278	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	216095	20.241	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	184336m	20.267	ug/l	
77) Bromobenzene	12.857	156	147800	18.972	ug/l	85
78) n-propylbenzene	12.916	91	692896	19.327	ug/l	98
79) 2-Chlorotoluene	13.004	91	432068	18.775	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	511624	19.684	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	54504	17.000	ug/l	96
82) 4-Chlorotoluene	13.098	91	410415	20.022	ug/l	93
83) tert-Butylbenzene	13.321	119	455597	19.641	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	490948	19.719	ug/l	99
85) sec-Butylbenzene	13.498	105	602239	19.533	ug/l	98
86) p-Isopropyltoluene	13.610	119	479764	19.786	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	240281	18.982	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	233136	18.841	ug/l	96
89) n-Butylbenzene	13.939	91	347540	18.326	ug/l	97
90) Hexachloroethane	14.204	117	87860	18.221	ug/l	88
91) 1,2-Dichlorobenzene	13.986	146	234109	19.237	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.598	75	33845	17.411	ug/l	88
93) 1,2,4-Trichlorobenzene	15.262	180	105346	20.428	ug/l	95
94) Hexachlorobutadiene	15.368	225	68843	20.151	ug/l	99
95) Naphthalene	15.504	128	229662	18.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	94709	19.187	ug/l	99

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

