

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120222\
 Data File : VN075526.D
 Acq On : 02 Dec 2022 12:44
 Operator : JC\MD
 Sample : VN1202WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1202WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 03 00:30:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	142349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	231884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	38584	50.495	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.000%			
35) Dibromofluoromethane	8.171	113	48884	53.665	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.320%			
50) Toluene-d8	10.565	98	107303	52.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.853	95	77827	51.394	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	18540	17.033	ug/l	97
3) Chloromethane	2.371	50	21259	15.696	ug/l	89
4) Vinyl Chloride	2.524	62	30025	17.590	ug/l	94
5) Bromomethane	2.936	94	28136	18.744	ug/l	94
6) Chloroethane	3.106	64	25342	19.593	ug/l	100
7) Trichlorofluoromethane	3.500	101	45803	18.783	ug/l	98
8) Diethyl Ether	3.971	74	16629	19.457	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	26859	19.952	ug/l	95
10) Methyl Iodide	4.595	142	40675	18.647	ug/l	97
11) Tert butyl alcohol	5.542	59	27142	84.616	ug/l	98
12) 1,1-Dichloroethene	4.347	96	24583	18.649	ug/l	94
13) Acrolein	4.189	56	24609	88.066	ug/l	100
14) Allyl chloride	5.030	41	31075m	18.224	ug/l	
15) Acrylonitrile	5.730	53	71957	97.778	ug/l	98
16) Acetone	4.442	43	65186	91.460	ug/l	95
17) Carbon Disulfide	4.724	76	51291	14.972	ug/l	96
18) Methyl Acetate	5.042	43	37647	20.180	ug/l	92
19) Methyl tert-butyl Ether	5.806	73	87770	18.795	ug/l	99
20) Methylene Chloride	5.289	84	30244	20.163	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	27786	18.496	ug/l	88
22) Diisopropyl ether	6.677	45	73142	18.797	ug/l	97
23) Vinyl Acetate	6.612	43	282930m	91.396	ug/l	
24) 1,1-Dichloroethane	6.577	63	47561	19.043	ug/l	99
25) 2-Butanone	7.488	43	89397	89.841	ug/l	91
26) 2,2-Dichloropropane	7.494	77	43520	18.749	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	32918	19.378	ug/l	94
28) Bromochloromethane	7.818	49	19725	19.456	ug/l	82
29) Tetrahydrofuran	7.841	42	55402	91.534	ug/l	97
30) Chloroform	7.971	83	54368	18.955	ug/l	93
31) Cyclohexane	8.259	56	40929	16.859	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	49560	19.030	ug/l	97
36) 1,1-Dichloropropene	8.377	75	37228	18.741	ug/l	97
37) Ethyl Acetate	7.565	43	35341	19.758	ug/l	99
38) Carbon Tetrachloride	8.371	117	44432	20.361	ug/l	98
39) Methylcyclohexane	9.606	83	45500	18.301	ug/l	97
40) Benzene	8.612	78	119141	19.589	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	18015	19.700	ug/l	96
42) 1,2-Dichloroethane	8.677	62	40242	19.756	ug/l	94
43) Isopropyl Acetate	8.694	43	55200	19.226	ug/l	96
44) Trichloroethene	9.353	130	31603	18.990	ug/l	99
45) 1,2-Dichloropropane	9.624	63	28924	19.956	ug/l	96
46) Dibromomethane	9.706	93	21601	19.704	ug/l	89
47) Bromodichloromethane	9.888	83	42329	19.938	ug/l	97
48) Methyl methacrylate	9.682	41	25120	18.922	ug/l	95
49) 1,4-Dioxane	9.700	88	13842	367.189	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	178937	97.852	ug/l	97
52) Toluene	10.635	92	78370	19.996	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	41790	19.607	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	45546	19.676	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	32241	20.197	ug/l	95
56) Ethyl methacrylate	10.876	69	43207	20.042	ug/l	97
57) 1,3-Dichloropropane	11.165	76	52023	19.987	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	71202	91.578	ug/l	97
59) 2-Hexanone	11.194	43	131996	96.127	ug/l	98
60) Dibromochloromethane	11.359	129	35381	21.593	ug/l	99
61) 1,2-Dibromoethane	11.471	107	32319	19.506	ug/l	98
64) Tetrachloroethene	11.106	164	30978	19.223	ug/l	90
65) Chlorobenzene	11.894	112	84919	19.485	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	33347	20.502	ug/l	98
67) Ethyl Benzene	11.965	91	144979	19.499	ug/l	95
68) m/p-Xylenes	12.070	106	120891	40.039	ug/l	96
69) o-Xylene	12.400	106	59128	19.710	ug/l	94
70) Styrene	12.412	104	93677	19.795	ug/l	97
71) Bromoform	12.576	173	25851	20.882	ug/l #	97
73) Isopropylbenzene	12.700	105	150646	19.855	ug/l	99
74) N-amyl acetate	12.494	43	46068	19.750	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	48222	20.847	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	40466m	20.609	ug/l	
77) Bromobenzene	12.982	156	36274	19.365	ug/l	88
78) n-propylbenzene	13.035	91	168579	19.909	ug/l	99
79) 2-Chlorotoluene	13.123	91	103177	20.223	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	128451	20.377	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	13172m	19.848	ug/l	
82) 4-Chlorotoluene	13.123	91	103177	20.223	ug/l	97
83) tert-Butylbenzene	13.441	119	115470	20.091	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	127907	20.229	ug/l	99
85) sec-Butylbenzene	13.617	105	156041	20.009	ug/l	99
86) p-Isopropyltoluene	13.729	119	131146	19.988	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	70100	19.752	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	68041	18.873	ug/l	97
89) n-Butylbenzene	14.059	91	100644	18.162	ug/l	99
90) Hexachloroethane	14.335	117	23504	20.765	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	69938	20.217	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8228	18.777	ug/l	77
93) 1,2,4-Trichlorobenzene	15.394	180	33300	18.783	ug/l	97
94) Hexachlorobutadiene	15.506	225	19195	20.787	ug/l	98
95) Naphthalene	15.641	128	98923	17.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	32531	18.670	ug/l	98

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

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