

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122222\
 Data File : VN075938.D
 Acq On : 22 Dec 2022 12:17
 Operator : JC\MD
 Sample : VN1222WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/27/2022
 Supervised By : Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 03:59:14 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	294810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	477297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	419645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	202345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	168201	52.444	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.880%			
35) Dibromofluoromethane	8.177	113	156180	52.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.680%			
50) Toluene-d8	10.571	98	577391	52.245	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.853	95	193711	52.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	35185	16.809	ug/l	99
3) Chloromethane	2.371	50	43546	16.730	ug/l	97
4) Vinyl Chloride	2.530	62	53344	17.181	ug/l	99
5) Bromomethane	2.959	94	45362	17.191	ug/l	93
6) Chloroethane	3.130	64	41402	18.007	ug/l	98
7) Trichlorofluoromethane	3.512	101	83677	17.761	ug/l	93
8) Diethyl Ether	3.977	74	32454	18.860	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	48977	18.205	ug/l	98
10) Methyl Iodide	4.606	142	71969	16.484	ug/l	100
11) Tert butyl alcohol	5.536	59	43232	95.262	ug/l	97
12) 1,1-Dichloroethene	4.354	96	46387	17.753	ug/l	99
13) Acrolein	4.195	56	69551	125.008	ug/l	99
14) Allyl chloride	5.042	41	54170	17.735	ug/l	90
15) Acrylonitrile	5.736	53	116651	94.191	ug/l	98
16) Acetone	4.442	43	112651	101.891	ug/l	99
17) Carbon Disulfide	4.730	76	97515	15.414	ug/l	96
18) Methyl Acetate	5.042	43	62477	19.117	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	163172	18.964	ug/l	97
20) Methylene Chloride	5.289	84	55701	18.429	ug/l	96
21) trans-1,2-Dichloroethene	5.801	96	50270	17.568	ug/l	94
22) Diisopropyl ether	6.689	45	144100	19.421	ug/l	96
23) Vinyl Acetate	6.612	43	474693	95.049	ug/l	97
24) 1,1-Dichloroethane	6.583	63	88932	17.971	ug/l	98
25) 2-Butanone	7.495	43	157167	101.526	ug/l	99
26) 2,2-Dichloropropane	7.500	77	76953	18.363	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	62878	18.373	ug/l	96
28) Bromochloromethane	7.818	49	41216	19.003	ug/l	99
29) Tetrahydrofuran	7.842	42	91708	94.533	ug/l	96
30) Chloroform	7.971	83	102078	18.321	ug/l	92
31) Cyclohexane	8.265	56	82574	17.977	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	91313	18.486	ug/l	97
36) 1,1-Dichloropropene	8.377	75	70290	17.901	ug/l	98
37) Ethyl Acetate	7.565	43	58416	18.521	ug/l	99
38) Carbon Tetrachloride	8.365	117	79177	18.017	ug/l	93
39) Methylcyclohexane	9.606	83	89023	18.793	ug/l	99
40) Benzene	8.612	78	219592	18.126	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	31389	19.147	ug/l	94
42) 1,2-Dichloroethane	8.677	62	75021	18.627	ug/l	98
43) Isopropyl Acetate	8.694	43	101652	19.538	ug/l	99
44) Trichloroethene	9.353	130	60711	17.788	ug/l	97
45) 1,2-Dichloropropane	9.630	63	54283	18.413	ug/l	99
46) Dibromomethane	9.712	93	40469	18.508	ug/l	99
47) Bromodichloromethane	9.888	83	78748	18.365	ug/l	96
48) Methyl methacrylate	9.683	41	45870	19.575	ug/l	95
49) 1,4-Dioxane	9.700	88	23076	400.574	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	317991	101.066	ug/l	100
52) Toluene	10.635	92	149611	18.962	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	76897	18.320	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	85927	18.645	ug/l	99
55) 1,1,2-Trichloroethane	11.024	97	59947	19.357	ug/l	94
56) Ethyl methacrylate	10.877	69	81804	19.887	ug/l	98
57) 1,3-Dichloropropane	11.165	76	94984	18.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	103894	79.329	ug/l	98
59) 2-Hexanone	11.200	43	234931	102.386	ug/l	100
60) Dibromochloromethane	11.365	129	62954	18.279	ug/l	97
61) 1,2-Dibromoethane	11.471	107	58080	18.533	ug/l	98
64) Tetrachloroethene	11.106	164	56403	19.101	ug/l	97
65) Chlorobenzene	11.894	112	161166	18.712	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	59649	18.697	ug/l	98
67) Ethyl Benzene	11.965	91	279967	19.259	ug/l	97
68) m/p-Xylenes	12.071	106	222665	38.700	ug/l	100
69) o-Xylene	12.400	106	110794	19.459	ug/l	99
70) Styrene	12.412	104	181166	20.011	ug/l	98
71) Bromoform	12.582	173	45328	19.526	ug/l #	99
73) Isopropylbenzene	12.700	105	286980	19.626	ug/l	99
74) N-amyl acetate	12.500	43	85193	19.860	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	85627	18.943	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	74911m	18.366	ug/l	
77) Bromobenzene	12.982	156	69829	18.870	ug/l	98
78) n-propylbenzene	13.041	91	321953	19.963	ug/l	98
79) 2-Chlorotoluene	13.129	91	191004	18.973	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	243306	19.881	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	22169	19.564	ug/l	95
82) 4-Chlorotoluene	13.129	91	191004	18.973	ug/l	99
83) tert-Butylbenzene	13.441	119	223152	20.681	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	243992	20.097	ug/l	100
85) sec-Butylbenzene	13.618	105	301065	20.215	ug/l	99
86) p-Isopropyltoluene	13.735	119	248047	20.016	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	128178	18.751	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	126231	18.077	ug/l	99
89) n-Butylbenzene	14.059	91	192220	19.147	ug/l	100
90) Hexachloroethane	14.335	117	42911	19.358	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	130868	19.437	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15265	19.031	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	60760	18.228	ug/l	99
94) Hexachlorobutadiene	15.500	225	34466	18.951	ug/l	99
95) Naphthalene	15.641	128	176565	17.513	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	58707	18.843	ug/l	100

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

