

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085827.D
 Acq On : 22 Feb 2025 01:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2025
 Supervised By : Mahesh Dadoda 02/24/2025

Quant Time: Feb 22 02:47:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	280275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	479774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	421482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	190145	52.329	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.660%			
35) Dibromofluoromethane	8.159	113	162813	51.861	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	10.559	98	619145	54.206	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.420%			
62) 4-Bromofluorobenzene	12.841	95	211728	56.261	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	172128	45.151	ug/l	98
3) Chloromethane	2.359	50	170066	44.456	ug/l	98
4) Vinyl Chloride	2.512	62	182593	45.080	ug/l	99
5) Bromomethane	2.953	94	110612	42.709	ug/l	95
6) Chloroethane	3.118	64	116289	43.344	ug/l	94
7) Trichlorofluoromethane	3.500	101	265174	45.218	ug/l	98
8) Diethyl Ether	3.959	74	88561	46.673	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	154362	45.537	ug/l	100
10) Methyl Iodide	4.589	142	196453	47.015	ug/l	98
11) Tert butyl alcohol	5.512	59	98430	220.243	ug/l	100
12) 1,1-Dichloroethene	4.342	96	146437	47.643	ug/l	99
13) Acrolein	4.171	56	185532	279.944	ug/l	97
14) Allyl chloride	5.024	41	182664	45.265	ug/l	98
15) Acrylonitrile	5.712	53	356975	245.701	ug/l	99
16) Acetone	4.424	43	252757	219.835	ug/l	99
17) Carbon Disulfide	4.712	76	387672	42.558	ug/l	100
18) Methyl Acetate	5.018	43	183441	46.387	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	459076	50.264	ug/l	98
20) Methylene Chloride	5.277	84	169857	45.938	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	152108	45.960	ug/l	92
22) Diisopropyl ether	6.665	45	471095	51.664	ug/l	98
23) Vinyl Acetate	6.594	43	1532034	245.385	ug/l	99
24) 1,1-Dichloroethane	6.565	63	295059	47.601	ug/l	99
25) 2-Butanone	7.477	43	405819	239.916	ug/l	99
26) 2,2-Dichloropropane	7.488	77	225988	41.000	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	185411	48.317	ug/l	99
28) Bromochloromethane	7.806	49	142784	56.044	ug/l	96
29) Tetrahydrofuran	7.830	42	281184	257.428	ug/l	99
30) Chloroform	7.959	83	306296	47.284	ug/l	100
31) Cyclohexane	8.253	56	235563	45.388	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	267985	46.512	ug/l	97
36) 1,1-Dichloropropene	8.365	75	210726	47.427	ug/l	99
37) Ethyl Acetate	7.553	43	174127	47.622	ug/l	97
38) Carbon Tetrachloride	8.359	117	235026	44.518	ug/l	96
39) Methylcyclohexane	9.594	83	209002	47.882	ug/l	99
40) Benzene	8.600	78	667113	46.846	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	97413	49.837	ug/l	98
42) 1,2-Dichloroethane	8.665	62	208068	44.857	ug/l	99
43) Isopropyl Acetate	8.682	43	302948	47.180	ug/l	99
44) Trichloroethene	9.347	130	156084	44.640	ug/l	97
45) 1,2-Dichloropropane	9.618	63	164819	47.949	ug/l	99
46) Dibromomethane	9.706	93	112799	46.523	ug/l	100
47) Bromodichloromethane	9.882	83	242168	46.684	ug/l	97
48) Methyl methacrylate	9.677	41	132834	48.917	ug/l	97
49) 1,4-Dioxane	9.688	88	48579	940.758	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	891609	252.918	ug/l	99
52) Toluene	10.624	92	419059	50.201	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	229018	47.745	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	250162	47.561	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	157216	47.369	ug/l	97
56) Ethyl methacrylate	10.871	69	231845	48.736	ug/l	99
57) 1,3-Dichloropropane	11.159	76	269857	48.707	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	543822	280.920	ug/l	100
59) 2-Hexanone	11.188	43	631390	260.345	ug/l	99
60) Dibromochloromethane	11.353	129	189254	48.970	ug/l	99
61) 1,2-Dibromoethane	11.465	107	150587	48.021	ug/l	98
64) Tetrachloroethene	11.100	164	139785	42.810	ug/l	96
65) Chlorobenzene	11.888	112	445888	46.180	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.953	131	164207	47.315	ug/l	99
67) Ethyl Benzene	11.959	91	769576	50.881	ug/l	99
68) m/p-Xylenes	12.065	106	604797	105.270	ug/l	99
69) o-Xylene	12.394	106	284504	52.113	ug/l	99
70) Styrene	12.406	104	494793	48.825	ug/l	100
71) Bromoform	12.570	173	123703	47.969	ug/l #	99
73) Isopropylbenzene	12.694	105	716994	50.258	ug/l	100
74) N-amyl acetate	12.488	43	246006	48.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	218624	44.534	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	189049m	40.870	ug/l	
77) Bromobenzene	12.976	156	179587	46.594	ug/l	99
78) n-propylbenzene	13.029	91	843013	51.598	ug/l	100
79) 2-Chlorotoluene	13.117	91	528236	48.390	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	609857	52.478	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	71699	45.226	ug/l	96
82) 4-Chlorotoluene	13.217	91	528471	48.834	ug/l	100
83) tert-Butylbenzene	13.435	119	504182	51.592	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	617885	53.741	ug/l	100
85) sec-Butylbenzene	13.612	105	699040	50.628	ug/l	100
86) p-Isopropyltoluene	13.723	119	582609	46.364	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	328730	45.523	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	328464	44.380	ug/l	99
89) n-Butylbenzene	14.053	91	467499	47.689	ug/l	98
90) Hexachloroethane	14.329	117	117529	44.945	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	317890	45.779	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	35931	39.859	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	146949	44.411	ug/l	100
94) Hexachlorobutadiene	15.494	225	75484	37.537	ug/l	98
95) Naphthalene	15.635	128	413123	45.477	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	144652	43.546	ug/l	99

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

