

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085917.D
 Acq On : 10 Mar 2025 16:12
 Operator : JC\MD
 Sample : VN0310WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/11/2025
 Supervised By : Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:37:41 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	200845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131058	50.332	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	8.165	113	107868	49.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	10.565	98	398387	50.008	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.847	95	142745	54.384	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	57613	21.089	ug/l	100
3) Chloromethane	2.360	50	57722	21.056	ug/l	96
4) Vinyl Chloride	2.512	62	57065	19.660	ug/l	97
5) Bromomethane	2.954	94	32967	17.763	ug/l	100
6) Chloroethane	3.118	64	33612	17.483	ug/l	95
7) Trichlorofluoromethane	3.495	101	83531	19.877	ug/l	95
8) Diethyl Ether	3.959	74	28433	20.911	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	48628	20.019	ug/l	98
10) Methyl Iodide	4.589	142	60569	20.228	ug/l	100
11) Tert butyl alcohol	5.512	59	33809	105.567	ug/l	99
12) 1,1-Dichloroethene	4.342	96	44916	20.393	ug/l	99
13) Acrolein	4.177	56	37933	79.872	ug/l	98
14) Allyl chloride	5.024	41	62929m	21.761	ug/l	
15) Acrylonitrile	5.712	53	113350	108.871	ug/l	100
16) Acetone	4.430	43	87841	106.614	ug/l	94
17) Carbon Disulfide	4.712	76	144261	22.100	ug/l	99
18) Methyl Acetate	5.024	43	47804	16.869	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	140217	21.424	ug/l	99
20) Methylene Chloride	5.277	84	54426	20.541	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	47809	20.159	ug/l	93
22) Diisopropyl ether	6.671	45	148727	22.761	ug/l	96
23) Vinyl Acetate	6.600	43	501410	112.072	ug/l	97
24) 1,1-Dichloroethane	6.565	63	92748	20.880	ug/l	100
25) 2-Butanone	7.477	43	133104	109.810	ug/l	97
26) 2,2-Dichloropropane	7.494	77	79534	20.136	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	54981	19.994	ug/l	97
28) Bromochloromethane	7.806	49	45217	24.767	ug/l	91
29) Tetrahydrofuran	7.836	42	90483	115.599	ug/l	96
30) Chloroform	7.965	83	95608	20.596	ug/l	98
31) Cyclohexane	8.253	56	81228	21.841	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	84568	20.483	ug/l	99
36) 1,1-Dichloropropene	8.371	75	65697	21.200	ug/l	100
37) Ethyl Acetate	7.559	43	56201	22.038	ug/l	100
38) Carbon Tetrachloride	8.359	117	76435	20.759	ug/l	94
39) Methylcyclohexane	9.600	83	65571	21.539	ug/l	95
40) Benzene	8.600	78	207478	20.890	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	30822	22.609	ug/l	99
42) 1,2-Dichloroethane	8.665	62	67821	20.964	ug/l	99
43) Isopropyl Acetate	8.683	43	99818	21.997	ug/l	97
44) Trichloroethene	9.347	130	48294	19.804	ug/l	98
45) 1,2-Dichloropropane	9.618	63	51217	21.363	ug/l	95
46) Dibromomethane	9.706	93	36115	21.356	ug/l	94
47) Bromodichloromethane	9.883	83	73646	20.356	ug/l	99
48) Methyl methacrylate	9.677	41	41798	22.069	ug/l	99
49) 1,4-Dioxane	9.694	88	16551	459.552	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	279017	113.479	ug/l	99
52) Toluene	10.630	92	127383	21.879	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	72257	21.598	ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	79526	21.678	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	47012	20.309	ug/l	96
56) Ethyl methacrylate	10.871	69	65527	21.330	ug/l	97
57) 1,3-Dichloropropane	11.159	76	81072	20.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	119007	107.514	ug/l	100
59) 2-Hexanone	11.194	43	195283	115.451	ug/l	100
60) Dibromochloromethane	11.359	129	55963	20.762	ug/l	100
61) 1,2-Dibromoethane	11.465	107	45190	20.662	ug/l	98
64) Tetrachloroethene	11.100	164	47256	20.887	ug/l	98
65) Chlorobenzene	11.888	112	134588	20.117	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	48625	20.221	ug/l	99
67) Ethyl Benzene	11.959	91	222002	21.184	ug/l	99
68) m/p-Xylenes	12.071	106	178774	44.909	ug/l	97
69) o-Xylene	12.394	106	81625	21.578	ug/l	97
70) Styrene	12.412	104	139738	21.331	ug/l	99
71) Bromoform	12.576	173	37954	21.241	ug/l #	97
73) Isopropylbenzene	12.694	105	205977	20.557	ug/l	100
74) N-amyl acetate	12.488	43	75965	21.499	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	66697	19.344	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	63325m	19.491	ug/l	
77) Bromobenzene	12.976	156	53582	19.793	ug/l	94
78) n-propylbenzene	13.035	91	245662	21.408	ug/l	100
79) 2-Chlorotoluene	13.124	91	156311	20.387	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	178809	21.907	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22842m	20.514	ug/l	
82) 4-Chlorotoluene	13.218	91	161545	21.253	ug/l	98
83) tert-Butylbenzene	13.435	119	142797	20.804	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	178289	22.078	ug/l	99
85) sec-Butylbenzene	13.612	105	206382	21.281	ug/l	99
86) p-Isopropyltoluene	13.729	119	167380	20.150	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	98140	19.350	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	101248	19.477	ug/l	99
89) n-Butylbenzene	14.053	91	136007	19.753	ug/l	98
90) Hexachloroethane	14.329	117	35650	19.411	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	95758	19.634	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11464	18.106	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	43547	18.738	ug/l	100
94) Hexachlorobutadiene	15.500	225	25307	17.918	ug/l	99
95) Naphthalene	15.635	128	117761	18.457	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	42653	18.282	ug/l	98

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

