

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085931.D
 Acq On : 11 Mar 2025 14:54
 Operator : JC\MD
 Sample : VN0311WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0311WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/12/2025
 Supervised By : Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:20:14 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	171959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104493	46.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.740%		
35) Dibromofluoromethane	8.165	113	86656	46.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.820%		
50) Toluene-d8	10.565	98	311283	46.315	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.620%		
62) 4-Bromofluorobenzene	12.847	95	107765	48.665	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46040	19.684	ug/l	95
3) Chloromethane	2.359	50	43998	18.746	ug/l	100
4) Vinyl Chloride	2.512	62	43138	17.359	ug/l	98
5) Bromomethane	2.954	94	27066	17.033	ug/l	98
6) Chloroethane	3.118	64	25922	15.748	ug/l	98
7) Trichlorofluoromethane	3.495	101	68309	18.985	ug/l	97
8) Diethyl Ether	3.959	74	20408	17.530	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	39761	19.118	ug/l	98
10) Methyl Iodide	4.589	142	46990	18.329	ug/l	97
11) Tert butyl alcohol	5.518	59	24987	91.127	ug/l #	90
12) 1,1-Dichloroethene	4.342	96	35866	19.019	ug/l	97
13) Acrolein	4.171	56	36561	89.914	ug/l	95
14) Allyl chloride	5.024	41	45099	18.215	ug/l	94
15) Acrylonitrile	5.718	53	88991	99.833	ug/l	98
16) Acetone	4.424	43	64479	91.405	ug/l	97
17) Carbon Disulfide	4.712	76	110141	19.707	ug/l	99
18) Methyl Acetate	5.024	43	38972	16.062	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	103840	18.531	ug/l	99
20) Methylene Chloride	5.271	84	42432	18.704	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	37463	18.450	ug/l	88
22) Diisopropyl ether	6.671	45	111397	19.912	ug/l	98
23) Vinyl Acetate	6.600	43	368840	96.289	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72568	19.081	ug/l	98
25) 2-Butanone	7.477	43	99858	96.221	ug/l	99
26) 2,2-Dichloropropane	7.489	77	62578	18.505	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42379	18.000	ug/l	97
28) Bromochloromethane	7.812	49	37741	24.145	ug/l	92
29) Tetrahydrofuran	7.841	42	65823	98.221	ug/l	99
30) Chloroform	7.965	83	75940	19.108	ug/l	99
31) Cyclohexane	8.253	56	59584	18.712	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	67340	19.050	ug/l	97
36) 1,1-Dichloropropene	8.365	75	49565	18.958	ug/l	99
37) Ethyl Acetate	7.553	43	41433	19.258	ug/l	99
38) Carbon Tetrachloride	8.359	117	61348	19.749	ug/l	93
39) Methylcyclohexane	9.600	83	45454	17.697	ug/l	91
40) Benzene	8.600	78	165147	19.709	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	22880	19.893	ug/l	98
42) 1,2-Dichloroethane	8.665	62	54080	19.814	ug/l	98
43) Isopropyl Acetate	8.688	43	72385	18.830	ug/l	99
44) Trichloroethene	9.347	130	36357	17.671	ug/l	99
45) 1,2-Dichloropropane	9.618	63	39742	19.649	ug/l	99
46) Dibromomethane	9.706	93	28013	19.635	ug/l	97
47) Bromodichloromethane	9.883	83	58843	19.278	ug/l	98
48) Methyl methacrylate	9.677	41	30151	18.870	ug/l	98
49) 1,4-Dioxane	9.694	88	12170	400.527	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	211308	101.867	ug/l	98
52) Toluene	10.630	92	100609	20.483	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	53811	19.065	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	59621	19.264	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	38483	19.705	ug/l	97
56) Ethyl methacrylate	10.871	69	47794	18.623	ug/l	97
57) 1,3-Dichloropropane	11.159	76	63091	19.352	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	90341	96.936	ug/l	100
59) 2-Hexanone	11.194	43	146567	102.707	ug/l	99
60) Dibromochloromethane	11.353	129	44279	19.471	ug/l	98
61) 1,2-Dibromoethane	11.465	107	35743	19.371	ug/l	100
64) Tetrachloroethene	11.100	164	36978	19.074	ug/l	95
65) Chlorobenzene	11.888	112	106130	18.513	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	39196	19.022	ug/l	98
67) Ethyl Benzene	11.959	91	168567	18.771	ug/l	99
68) m/p-Xylenes	12.065	106	137476	40.303	ug/l	99
69) o-Xylene	12.394	106	61515	18.978	ug/l	100
70) Styrene	12.412	104	106050	19.044	ug/l	99
71) Bromoform	12.576	173	29845	19.493	ug/l #	98
73) Isopropylbenzene	12.694	105	153371	17.442	ug/l	100
74) N-amyl acetate	12.494	43	55670	17.953	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	53621	17.721	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	55548m	19.483	ug/l	
77) Bromobenzene	12.976	156	41957	17.661	ug/l	96
78) n-propylbenzene	13.035	91	185851	18.455	ug/l	100
79) 2-Chlorotoluene	13.123	91	119676	17.787	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	135483	18.915	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	17168	17.570	ug/l	94
82) 4-Chlorotoluene	13.218	91	124042	18.596	ug/l	97
83) tert-Butylbenzene	13.435	119	101170	16.796	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	133778	18.877	ug/l	99
85) sec-Butylbenzene	13.612	105	150326	17.664	ug/l	99
86) p-Isopropyltoluene	13.729	119	121044	16.805	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	77221	17.350	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	76516	16.773	ug/l	97
89) n-Butylbenzene	14.053	91	95450	15.797	ug/l	96
90) Hexachloroethane	14.329	117	26658	16.540	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	74904	17.501	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8752	15.752	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	31181	15.289	ug/l	99
94) Hexachlorobutadiene	15.500	225	19246	15.528	ug/l	95
95) Naphthalene	15.641	128	78375	13.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	30568	14.930	ug/l	98

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

