

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088025.D
 Acq On : 03 Oct 2025 15:55
 Operator : JC\MD
 Sample : VN1003WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 02:58:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	228703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	434830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	402581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	182423	47.396	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.800%		
35) Dibromofluoromethane	8.147	113	136184	43.136	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.280%		
50) Toluene-d8	10.547	98	489802	44.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.240%		
62) 4-Bromofluorobenzene	12.829	95	176109	44.377	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.760%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	48119	18.168	ug/l	95
3) Chloromethane	2.383	50	50662	18.681	ug/l	97
4) Vinyl Chloride	2.536	62	51125	18.478	ug/l	97
5) Bromomethane	2.977	94	27339	15.939	ug/l	93
6) Chloroethane	3.136	64	34911	19.406	ug/l	98
7) Trichlorofluoromethane	3.506	101	87381	19.398	ug/l	97
8) Diethyl Ether	3.965	74	36126	21.228	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	46626	19.583	ug/l	96
10) Methyl Iodide	4.583	142	33271	15.527	ug/l	97
11) Tert butyl alcohol	5.524	59	63264	114.118	ug/l	98
12) 1,1-Dichloroethene	4.342	96	47653	19.836	ug/l	93
13) Acrolein	4.165	56	58812	82.680	ug/l	97
14) Allyl chloride	5.006	41	75096	19.201	ug/l	99
15) Acrylonitrile	5.712	53	174381	100.280	ug/l	99
16) Acetone	4.424	43	165335	104.404	ug/l	96
17) Carbon Disulfide	4.706	76	129613	17.268	ug/l	100
18) Methyl Acetate	5.018	43	97015	24.479	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	192412	20.503	ug/l	96
20) Methylene Chloride	5.265	84	64999	20.278	ug/l #	92
21) trans-1,2-Dichloroethene	5.777	96	56476	19.177	ug/l #	78
22) Diisopropyl ether	6.659	45	195931	21.460	ug/l	94
23) Vinyl Acetate	6.588	43	840790	109.372	ug/l	98
24) 1,1-Dichloroethane	6.553	63	106499	19.966	ug/l	99
25) 2-Butanone	7.471	43	257851	106.529	ug/l	99
26) 2,2-Dichloropropane	7.477	77	97207	20.511	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	68291	19.488	ug/l	97
28) Bromochloromethane	7.794	49	50349	17.373	ug/l	98
29) Tetrahydrofuran	7.824	42	161322	104.088	ug/l	99
30) Chloroform	7.947	83	118801	20.369	ug/l	100
31) Cyclohexane	8.241	56	86333	20.003	ug/l	91
32) 1,1,1-Trichloroethane	8.147	97	99067	20.102	ug/l	96
36) 1,1-Dichloropropene	8.353	75	74501	19.625	ug/l	98
37) Ethyl Acetate	7.547	43	96767	19.411	ug/l	98
38) Carbon Tetrachloride	8.347	117	81494	18.708	ug/l	100
39) Methylcyclohexane	9.582	83	78547	18.756	ug/l	99
40) Benzene	8.582	78	241648	19.225	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	50055	19.429	ug/l	95
42) 1,2-Dichloroethane	8.653	62	86910	18.528	ug/l	98
43) Isopropyl Acetate	8.677	43	158166	20.157	ug/l	99
44) Trichloroethene	9.335	130	58280	19.411	ug/l	87
45) 1,2-Dichloropropane	9.600	63	59911	19.008	ug/l	96
46) Dibromomethane	9.688	93	47133	18.951	ug/l	94
47) Bromodichloromethane	9.871	83	96058	19.692	ug/l	92
48) Methyl methacrylate	9.665	41	70779	19.478	ug/l	99
49) 1,4-Dioxane	9.682	88	23082	429.972	ug/l	98
51) 4-Methyl-2-Pentanone	10.424	43	495920	101.282	ug/l	99
52) Toluene	10.612	92	153141	19.415	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	97316	19.493	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	101859	19.644	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	63111	19.678	ug/l	97
56) Ethyl methacrylate	10.859	69	85962	18.549	ug/l	95
57) 1,3-Dichloropropane	11.141	76	105830	20.062	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	278033	127.602	ug/l	98
59) 2-Hexanone	11.176	43	303609	93.776	ug/l	96
60) Dibromochloromethane	11.335	129	72169	19.139	ug/l	99
61) 1,2-Dibromoethane	11.447	107	66699	19.645	ug/l	97
64) Tetrachloroethene	11.082	164	46836	19.099	ug/l	93
65) Chlorobenzene	11.865	112	171353	20.001	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	61187	19.805	ug/l	95
67) Ethyl Benzene	11.941	91	278838	19.505	ug/l	97
68) m/p-Xylenes	12.047	106	215590	39.433	ug/l	99
69) o-Xylene	12.376	106	100108	19.058	ug/l	96
70) Styrene	12.394	104	178431	19.779	ug/l	99
71) Bromoform	12.565	173	45970	18.340	ug/l #	96
73) Isopropylbenzene	12.676	105	261068	20.372	ug/l	99
74) N-amyl acetate	12.682	43	82436m	19.524	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	96751	20.954	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	79136m	19.416	ug/l	
77) Bromobenzene	12.959	156	67939	19.926	ug/l	97
78) n-propylbenzene	13.017	91	325816	20.336	ug/l	100
79) 2-Chlorotoluene	13.100	91	193668	19.852	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	225854	20.376	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	27307	18.604	ug/l	91
82) 4-Chlorotoluene	13.200	91	196420	19.982	ug/l	97
83) tert-Butylbenzene	13.417	119	192922	20.563	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	229109	20.152	ug/l	99
85) sec-Butylbenzene	13.594	105	281157	20.440	ug/l	99
86) p-Isopropyltoluene	13.706	119	233560	20.048	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	129925	19.527	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	134356	19.649	ug/l	98
89) n-Butylbenzene	14.035	91	217412	19.747	ug/l	99
90) Hexachloroethane	14.306	117	46848	19.251	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	128110	19.975	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	21548	20.085	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	75323	19.891	ug/l	98
94) Hexachlorobutadiene	15.470	225	25038	17.965	ug/l	94
95) Naphthalene	15.611	128	244645	20.127	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	70087	19.038	ug/l	95

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

