

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088201.D
 Acq On : 06 Nov 2025 12:53
 Operator : JC\MD
 Sample : VN1106WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 07 02:17:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	371844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	669973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	573811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	278028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	326341	50.753	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.500%			
35) Dibromofluoromethane	8.147	113	227230	50.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.980%			
50) Toluene-d8	10.547	98	848237	48.910	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.820%			
62) 4-Bromofluorobenzene	12.823	95	309231	50.488	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	74589	17.783	ug/l	100
3) Chloromethane	2.383	50	83381	16.897	ug/l	97
4) Vinyl Chloride	2.536	62	95349	17.734	ug/l	98
5) Bromomethane	2.983	94	54317	16.890	ug/l	99
6) Chloroethane	3.142	64	61586	15.898	ug/l	95
7) Trichlorofluoromethane	3.512	101	147353	17.183	ug/l	99
8) Diethyl Ether	3.959	74	55297	17.350	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	80391	18.167	ug/l	98
10) Methyl Iodide	4.583	142	73129	18.083	ug/l	97
11) Tert butyl alcohol	5.524	59	110854	100.072	ug/l	99
12) 1,1-Dichloroethene	4.336	96	78907	16.883	ug/l	96
13) Acrolein	4.183	56	84373	67.714	ug/l	96
14) Allyl chloride	5.012	41	146065	17.830	ug/l	99
15) Acrylonitrile	5.706	53	290123	96.149	ug/l	99
16) Acetone	4.424	43	277247	85.826	ug/l	100
17) Carbon Disulfide	4.706	76	231622	16.303	ug/l	99
18) Methyl Acetate	5.018	43	132931	20.101	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	328649	19.148	ug/l	98
20) Methylene Chloride	5.265	84	91893	16.947	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	85100	16.589	ug/l	97
22) Diisopropyl ether	6.659	45	326636	18.960	ug/l	99
23) Vinyl Acetate	6.589	43	1508829	97.227	ug/l	100
24) 1,1-Dichloroethane	6.553	63	181815	19.052	ug/l	96
25) 2-Butanone	7.465	43	403718	94.834	ug/l	98
26) 2,2-Dichloropropane	7.477	77	161851	18.663	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	106563	18.044	ug/l	95
28) Bromochloromethane	7.794	49	96759	21.458	ug/l	98
29) Tetrahydrofuran	7.830	42	264422	95.309	ug/l	100
30) Chloroform	7.947	83	179861	18.866	ug/l	98
31) Cyclohexane	8.236	56	164089	18.231	ug/l	94
32) 1,1,1-Trichloroethane	8.147	97	160255	18.873	ug/l	96
36) 1,1-Dichloropropene	8.353	75	127213	19.357	ug/l	98
37) Ethyl Acetate	7.547	43	171536	20.226	ug/l	99
38) Carbon Tetrachloride	8.341	117	134516	19.818	ug/l	97
39) Methylcyclohexane	9.582	83	143846	17.029	ug/l	95
40) Benzene	8.588	78	377772	18.875	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	84643	18.963	ug/l	96
42) 1,2-Dichloroethane	8.647	62	148549	20.889	ug/l	99
43) Isopropyl Acetate	8.671	43	266158	20.424	ug/l	99
44) Trichloroethene	9.330	130	89186	19.065	ug/l	100
45) 1,2-Dichloropropane	9.600	63	97054	19.208	ug/l	93
46) Dibromomethane	9.688	93	71741	19.908	ug/l	99
47) Bromodichloromethane	9.871	83	144765	20.064	ug/l	99
48) Methyl methacrylate	9.665	41	122568	20.372	ug/l	99
49) 1,4-Dioxane	9.677	88	33976	454.041	ug/l #	96
51) 4-Methyl-2-Pentanone	10.424	43	808316	104.847	ug/l	99
52) Toluene	10.606	92	233701	18.939	ug/l	97
53) t-1,3-Dichloropropene	10.812	75	156006	20.316	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	162462	19.938	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	89697	19.160	ug/l	96
56) Ethyl methacrylate	10.859	69	151441	20.441	ug/l	98
57) 1,3-Dichloropropane	11.141	76	162963	19.804	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	477176	123.825	ug/l	100
59) 2-Hexanone	11.177	43	531688	103.962	ug/l	97
60) Dibromochloromethane	11.335	129	104789	19.693	ug/l	97
61) 1,2-Dibromoethane	11.447	107	93252	19.355	ug/l	99
64) Tetrachloroethene	11.082	164	70950	18.745	ug/l	93
65) Chlorobenzene	11.871	112	252779	19.401	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	85670	20.069	ug/l	99
67) Ethyl Benzene	11.941	91	445487	19.478	ug/l	98
68) m/p-Xylenes	12.047	106	334225	39.003	ug/l	99
69) o-Xylene	12.376	106	162640	20.021	ug/l	99
70) Styrene	12.388	104	270145	20.394	ug/l	98
71) Bromoform	12.553	173	65757	20.642	ug/l #	97
73) Isopropylbenzene	12.671	105	421404	19.652	ug/l	100
74) N-amyl acetate	12.588	43	123156m	20.232	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	132464	19.842	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	137092m	21.567	ug/l	
77) Bromobenzene	12.959	156	92618	20.029	ug/l	93
78) n-propylbenzene	13.012	91	508800	19.443	ug/l	99
79) 2-Chlorotoluene	13.100	91	309459	20.736	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	352900	19.816	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	41930	18.401	ug/l	90
82) 4-Chlorotoluene	13.200	91	321838	19.933	ug/l	98
83) tert-Butylbenzene	13.412	119	295761	18.591	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	353687	19.850	ug/l	99
85) sec-Butylbenzene	13.594	105	416431	17.817	ug/l	100
86) p-Isopropyltoluene	13.706	119	346086	18.458	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	179984	19.498	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	185559	18.716	ug/l	96
89) n-Butylbenzene	14.035	91	325996	17.552	ug/l	99
90) Hexachloroethane	14.312	117	64721	17.825	ug/l	94
91) 1,2-Dichlorobenzene	14.082	146	174631	19.625	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	31294	20.139	ug/l	93
93) 1,2,4-Trichlorobenzene	15.364	180	91659	17.009	ug/l	99
94) Hexachlorobutadiene	15.476	225	32290	16.090	ug/l	99
95) Naphthalene	15.612	128	327707	17.751	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	83557	16.171	ug/l	98

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

