

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087951.D
 Acq On : 25 Sep 2025 13:56
 Operator : JC\MD
 Sample : VN0925WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 07:30:07 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	279067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	498231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	456591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	244468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	230752	49.133	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.260%		
35) Dibromofluoromethane	8.153	113	175082	48.399	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.800%		
50) Toluene-d8	10.547	98	659020	51.805	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.620%		
62) 4-Bromofluorobenzene	12.829	95	226467	49.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	71066	21.989	ug/l	95
3) Chloromethane	2.383	50	63566	19.209	ug/l	94
4) Vinyl Chloride	2.542	62	69167	20.488	ug/l	94
5) Bromomethane	2.977	94	42086	20.108	ug/l	92
6) Chloroethane	3.136	64	43512	19.822	ug/l #	88
7) Trichlorofluoromethane	3.512	101	115712	21.051	ug/l	97
8) Diethyl Ether	3.959	74	36695	17.671	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	62085	21.370	ug/l	98
10) Methyl Iodide	4.583	142	48022	18.366	ug/l	99
11) Tert butyl alcohol	5.524	59	67722	100.113	ug/l	95
12) 1,1-Dichloroethene	4.336	96	60652	20.691	ug/l	90
13) Acrolein	4.171	56	63872	73.588	ug/l	100
14) Allyl chloride	5.012	41	88122	18.465	ug/l	94
15) Acrylonitrile	5.706	53	200716	94.594	ug/l	100
16) Acetone	4.418	43	190382	98.524	ug/l	100
17) Carbon Disulfide	4.712	76	173088	18.898	ug/l #	95
18) Methyl Acetate	5.024	43	98283	20.324	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	210018	18.340	ug/l	99
20) Methylene Chloride	5.265	84	70928	18.134	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	66390	18.475	ug/l	93
22) Diisopropyl ether	6.659	45	209820	18.834	ug/l	99
23) Vinyl Acetate	6.594	43	845750	90.162	ug/l	98
24) 1,1-Dichloroethane	6.559	63	121761	18.707	ug/l	98
25) 2-Butanone	7.471	43	280252	94.888	ug/l	100
26) 2,2-Dichloropropane	7.477	77	115892	20.041	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	79298	18.546	ug/l	99
28) Bromochloromethane	7.800	49	61419	17.368	ug/l	96
29) Tetrahydrofuran	7.824	42	179605	94.970	ug/l	99
30) Chloroform	7.947	83	133437	18.750	ug/l	95
31) Cyclohexane	8.241	56	106718	20.264	ug/l	92
32) 1,1,1-Trichloroethane	8.153	97	119368	19.850	ug/l	96
36) 1,1-Dichloropropene	8.353	75	87855	20.198	ug/l	99
37) Ethyl Acetate	7.547	43	107394	18.802	ug/l	99
38) Carbon Tetrachloride	8.347	117	101777	20.391	ug/l	94
39) Methylcyclohexane	9.582	83	102599	21.382	ug/l	98
40) Benzene	8.588	78	278350	19.327	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	54019	18.300	ug/l	96
42) 1,2-Dichloroethane	8.653	62	102137	19.003	ug/l	100
43) Isopropyl Acetate	8.677	43	165566	18.415	ug/l	99
44) Trichloroethene	9.329	130	66720	19.394	ug/l	93
45) 1,2-Dichloropropane	9.600	63	70002	19.384	ug/l	97
46) Dibromomethane	9.688	93	53291	18.701	ug/l	97
47) Bromodichloromethane	9.871	83	107625	19.256	ug/l	100
48) Methyl methacrylate	9.665	41	76141	18.287	ug/l	98
49) 1,4-Dioxane	9.682	88	24816	403.447	ug/l #	78
51) 4-Methyl-2-Pentanone	10.429	43	552041	98.397	ug/l	98
52) Toluene	10.612	92	177745	19.667	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	108063	18.891	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	111802	18.818	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	71033	19.330	ug/l	91
56) Ethyl methacrylate	10.859	69	96298	18.136	ug/l	98
57) 1,3-Dichloropropane	11.141	76	114022	18.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	275893	110.507	ug/l	99
59) 2-Hexanone	11.176	43	361420	97.426	ug/l	99
60) Dibromochloromethane	11.335	129	81654	18.898	ug/l	98
61) 1,2-Dibromoethane	11.453	107	73497	18.892	ug/l	99
64) Tetrachloroethene	11.082	164	57071	20.520	ug/l	95
65) Chlorobenzene	11.870	112	198566	20.436	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	68324	19.499	ug/l	93
67) Ethyl Benzene	11.941	91	327291	20.187	ug/l	99
68) m/p-Xylenes	12.053	106	255409	41.190	ug/l	100
69) o-Xylene	12.376	106	119494	20.058	ug/l	97
70) Styrene	12.394	104	203668	19.906	ug/l	100
71) Bromoform	12.559	173	54805	19.279	ug/l	99
73) Isopropylbenzene	12.676	105	310861	20.517	ug/l	99
74) N-amyl acetate	12.582	43	103135m	20.659	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	109864	20.125	ug/l	97
76) 1,2,3-Trichloropropane	12.970	75	104158m	21.614	ug/l	
77) Bromobenzene	12.959	156	80923	20.074	ug/l	96
78) n-propylbenzene	13.012	91	395299	20.867	ug/l	99
79) 2-Chlorotoluene	13.106	91	230022	19.942	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	269516	20.565	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	30754	17.721	ug/l #	82
82) 4-Chlorotoluene	13.200	91	240663	20.707	ug/l	99
83) tert-Butylbenzene	13.417	119	226733	20.439	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	275724	20.511	ug/l	99
85) sec-Butylbenzene	13.594	105	350966	21.580	ug/l	98
86) p-Isopropyltoluene	13.706	119	290733	21.107	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	155268	19.737	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	168077	20.790	ug/l	95
89) n-Butylbenzene	14.035	91	276168	21.215	ug/l	98
90) Hexachloroethane	14.311	117	59046	20.521	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	151135	19.931	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	23587	18.595	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	89925	20.085	ug/l	99
94) Hexachlorobutadiene	15.476	225	38187	23.173	ug/l	93
95) Naphthalene	15.617	128	272225	18.942	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	86168	19.797	ug/l	98

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

