

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087936.D
 Acq On : 24 Sep 2025 10:08
 Operator : JC\MD
 Sample : VN0924WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/25/2025
 Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 25 03:06:16 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	214330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	404775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	389038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	206895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193525	53.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.300%			
35) Dibromofluoromethane	8.147	113	146369	49.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.600%			
50) Toluene-d8	10.547	98	507616	49.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.829	95	184577	49.964	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	51063	20.572	ug/l	92
3) Chloromethane	2.383	50	49242	19.375	ug/l	98
4) Vinyl Chloride	2.542	62	50784	19.586	ug/l	94
5) Bromomethane	2.977	94	32694	20.339	ug/l	93
6) Chloroethane	3.136	64	34330	20.363	ug/l	96
7) Trichlorofluoromethane	3.512	101	81919	19.405	ug/l	97
8) Diethyl Ether	3.965	74	32208	20.195	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	44861	20.106	ug/l	98
10) Methyl Iodide	4.577	142	32885	16.376	ug/l #	87
11) Tert butyl alcohol	5.524	59	56407	108.572	ug/l #	89
12) 1,1-Dichloroethene	4.342	96	45078	20.023	ug/l	99
13) Acrolein	4.177	56	78303	117.463	ug/l	95
14) Allyl chloride	5.018	41	72333	19.735	ug/l	100
15) Acrylonitrile	5.712	53	169773	104.177	ug/l	98
16) Acetone	4.430	43	157260	105.964	ug/l	98
17) Carbon Disulfide	4.701	76	136889	19.461	ug/l #	89
18) Methyl Acetate	5.024	43	80104	21.568	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	174177	19.805	ug/l	97
20) Methylene Chloride	5.259	84	61915	20.611	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	53370	19.337	ug/l	90
22) Diisopropyl ether	6.665	45	175098	20.464	ug/l	92
23) Vinyl Acetate	6.595	43	797170	110.652	ug/l	99
24) 1,1-Dichloroethane	6.559	63	103005	20.606	ug/l	96
25) 2-Butanone	7.471	43	233023	102.728	ug/l	99
26) 2,2-Dichloropropane	7.471	77	92445	20.815	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	67002	20.403	ug/l	98
28) Bromochloromethane	7.794	49	48578	17.886	ug/l	100
29) Tetrahydrofuran	7.824	42	144691	99.618	ug/l	98
30) Chloroform	7.947	83	112100	20.509	ug/l	94
31) Cyclohexane	8.236	56	80221	19.833	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	93396	20.222	ug/l	96
36) 1,1-Dichloropropene	8.347	75	69679	19.718	ug/l	99
37) Ethyl Acetate	7.547	43	89273	19.238	ug/l	100
38) Carbon Tetrachloride	8.341	117	77107	19.015	ug/l	95
39) Methylcyclohexane	9.577	83	71760	18.408	ug/l	94
40) Benzene	8.589	78	231765	19.808	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	44963	18.749	ug/l	97
42) 1,2-Dichloroethane	8.653	62	85643	19.614	ug/l	98
43) Isopropyl Acetate	8.677	43	148053	20.269	ug/l	100
44) Trichloroethene	9.336	130	55787	19.960	ug/l	89
45) 1,2-Dichloropropane	9.606	63	57732	19.677	ug/l	99
46) Dibromomethane	9.688	93	45700	19.740	ug/l	98
47) Bromodichloromethane	9.871	83	89216	19.647	ug/l #	92
48) Methyl methacrylate	9.665	41	64933	19.196	ug/l	95
49) 1,4-Dioxane	9.683	88	20306	406.347	ug/l	96
51) 4-Methyl-2-Pentanone	10.424	43	464634	101.939	ug/l	98
52) Toluene	10.606	92	144931	19.739	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	88425	19.027	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	95205	19.724	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	60996	20.431	ug/l	89
56) Ethyl methacrylate	10.859	69	79797	18.498	ug/l	98
57) 1,3-Dichloropropane	11.141	76	98877	20.136	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	233843	115.290	ug/l	97
59) 2-Hexanone	11.177	43	285209	94.633	ug/l	97
60) Dibromochloromethane	11.335	129	68408	19.488	ug/l	100
61) 1,2-Dibromoethane	11.447	107	63311	20.031	ug/l	96
64) Tetrachloroethene	11.082	164	42842	18.078	ug/l	91
65) Chlorobenzene	11.871	112	161909	19.557	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.941	131	57835	19.372	ug/l	95
67) Ethyl Benzene	11.941	91	260358	18.847	ug/l	99
68) m/p-Xylenes	12.047	106	202840	38.392	ug/l	99
69) o-Xylene	12.377	106	94788	18.674	ug/l	99
70) Styrene	12.388	104	167376	19.199	ug/l	99
71) Bromoform	12.559	173	46403	19.157	ug/l #	97
73) Isopropylbenzene	12.677	105	237012	18.484	ug/l	97
74) N-amyl acetate	12.677	43	69584m	16.470	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	90524	19.594	ug/l	98
76) 1,2,3-Trichloropropane	12.971	75	86424m	21.191	ug/l	
77) Bromobenzene	12.959	156	67539	19.796	ug/l	97
78) n-propylbenzene	13.012	91	308254	19.228	ug/l	98
79) 2-Chlorotoluene	13.106	91	185821	19.036	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	212286	19.140	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.724	75	26430	17.995	ug/l	98
82) 4-Chlorotoluene	13.200	91	194470	19.771	ug/l	99
83) tert-Butylbenzene	13.412	119	178246	18.987	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	217940	19.157	ug/l	99
85) sec-Butylbenzene	13.594	105	266788	19.383	ug/l	100
86) p-Isopropyltoluene	13.706	119	219833	18.858	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	130036	19.531	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	132712	19.396	ug/l	98
89) n-Butylbenzene	14.035	91	208113	18.890	ug/l	98
90) Hexachloroethane	14.306	117	45352	18.624	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	124837	19.453	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	20584	19.174	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	73093	19.290	ug/l	95
94) Hexachlorobutadiene	15.470	225	27305	19.579	ug/l	97
95) Naphthalene	15.612	128	222219	18.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	70864	19.237	ug/l	94

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

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