

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087937.D
 Acq On : 24 Sep 2025 10:42
 Operator : JC\MD
 Sample : VN0924WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Sep 25 03:07:26 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	242602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	429972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	407713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	201139	49.265	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.520%		
35) Dibromofluoromethane	8.147	113	157172	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.700%		
50) Toluene-d8	10.547	98	548350	49.949	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.900%		
62) 4-Bromofluorobenzene	12.829	95	194705	49.617	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	60650	21.587	ug/l	95
3) Chloromethane	2.383	50	55514	19.298	ug/l	99
4) Vinyl Chloride	2.536	62	60000	20.444	ug/l	98
5) Bromomethane	2.977	94	37479	20.599	ug/l	97
6) Chloroethane	3.136	64	40678	21.317	ug/l	99
7) Trichlorofluoromethane	3.506	101	99871	20.900	ug/l	97
8) Diethyl Ether	3.953	74	38405	21.274	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	56317	22.299	ug/l	98
10) Methyl Iodide	4.577	142	39909	17.557	ug/l #	92
11) Tert butyl alcohol	5.530	59	65192	110.858	ug/l	97
12) 1,1-Dichloroethene	4.330	96	54643	21.443	ug/l	90
13) Acrolein	4.171	56	73918	97.963	ug/l	99
14) Allyl chloride	5.006	41	81642	19.679	ug/l	95
15) Acrylonitrile	5.706	53	193047	104.654	ug/l	99
16) Acetone	4.424	43	168215	100.137	ug/l	100
17) Carbon Disulfide	4.700	76	162874	20.456	ug/l	100
18) Methyl Acetate	5.018	43	93494	22.239	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	201904	20.282	ug/l	93
20) Methylene Chloride	5.253	84	70175	20.638	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	61692	19.748	ug/l #	77
22) Diisopropyl ether	6.665	45	202118	20.869	ug/l	93
23) Vinyl Acetate	6.589	43	832281	102.062	ug/l	100
24) 1,1-Dichloroethane	6.547	63	113981	20.144	ug/l	99
25) 2-Butanone	7.477	43	270080	105.189	ug/l	99
26) 2,2-Dichloropropane	7.471	77	101160	20.123	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	73453	19.761	ug/l	99
28) Bromochloromethane	7.794	49	56137	18.261	ug/l	96
29) Tetrahydrofuran	7.824	42	175102	106.506	ug/l	99
30) Chloroform	7.947	83	127415	20.595	ug/l	99
31) Cyclohexane	8.236	56	92828	20.276	ug/l #	95
32) 1,1,1-Trichloroethane	8.147	97	105789	20.236	ug/l	94
36) 1,1-Dichloropropene	8.359	75	80421	21.424	ug/l	99
37) Ethyl Acetate	7.547	43	102542	20.802	ug/l	99
38) Carbon Tetrachloride	8.347	117	92409	21.453	ug/l	96
39) Methylcyclohexane	9.583	83	91426	22.078	ug/l	97
40) Benzene	8.588	78	257395	20.709	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	55550	21.806	ug/l	98
42) 1,2-Dichloroethane	8.653	62	97760	21.077	ug/l	99
43) Isopropyl Acetate	8.677	43	165674	21.352	ug/l	99
44) Trichloroethene	9.330	130	60312	20.315	ug/l	85
45) 1,2-Dichloropropane	9.606	63	65071	20.879	ug/l	97
46) Dibromomethane	9.688	93	52518	21.355	ug/l	96
47) Bromodichloromethane	9.871	83	102212	21.190	ug/l #	96
48) Methyl methacrylate	9.665	41	75440	20.995	ug/l	96
49) 1,4-Dioxane	9.677	88	23155	436.205	ug/l #	84
51) 4-Methyl-2-Pentanone	10.424	43	531034	109.679	ug/l	99
52) Toluene	10.612	92	164722	21.119	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	101025	20.464	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	105969	20.668	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	66763	21.052	ug/l	96
56) Ethyl methacrylate	10.859	69	95065	20.746	ug/l	94
57) 1,3-Dichloropropane	11.141	76	112773	21.620	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	254732	118.229	ug/l	100
59) 2-Hexanone	11.182	43	328401	102.579	ug/l	97
60) Dibromochloromethane	11.335	129	79328	21.275	ug/l	98
61) 1,2-Dibromoethane	11.447	107	70149	20.894	ug/l	99
64) Tetrachloroethene	11.082	164	51188	20.611	ug/l	89
65) Chlorobenzene	11.871	112	182308	21.012	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	66500	21.254	ug/l	99
67) Ethyl Benzene	11.941	91	297658	20.560	ug/l	98
68) m/p-Xylenes	12.053	106	231489	41.808	ug/l	99
69) o-Xylene	12.376	106	106989	20.112	ug/l	99
70) Styrene	12.388	104	184624	20.208	ug/l	99
71) Bromoform	12.559	173	53373	21.026	ug/l #	98
73) Isopropylbenzene	12.676	105	284074	22.203	ug/l	100
74) N-amyl acetate	12.618	43	77788m	18.452	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	107070	23.226	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	87526m	21.509	ug/l	
77) Bromobenzene	12.959	156	72420	21.274	ug/l	98
78) n-propylbenzene	13.012	91	354084	22.135	ug/l	98
79) 2-Chlorotoluene	13.106	91	213097	21.879	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	240559	21.737	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.724	75	35878	24.483	ug/l	92
82) 4-Chlorotoluene	13.200	91	217905	22.203	ug/l	97
83) tert-Butylbenzene	13.418	119	203733	21.750	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	248121	21.859	ug/l	99
85) sec-Butylbenzene	13.594	105	314092	22.871	ug/l	99
86) p-Isopropyltoluene	13.706	119	260904	22.431	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	145692	21.932	ug/l	100
88) 1,4-Dichlorobenzene	13.794	146	146978	21.529	ug/l	98
89) n-Butylbenzene	14.035	91	247364	22.503	ug/l	98
90) Hexachloroethane	14.312	117	54134	22.280	ug/l	94
91) 1,2-Dichlorobenzene	14.082	146	137052	21.404	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	24801	23.154	ug/l	93
93) 1,2,4-Trichlorobenzene	15.370	180	81962	21.679	ug/l	96
94) Hexachlorobutadiene	15.476	225	32913	23.652	ug/l	99
95) Naphthalene	15.617	128	261901	21.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	76222	20.738	ug/l	94

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

