

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091825\
 Data File : VN087889.D
 Acq On : 18 Sep 2025 12:24
 Operator : JC\MD
 Sample : VN0918WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/19/2025
 Supervised By : Mahesh Dadoda 09/19/2025

Quant Time: Sep 19 03:04:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	247991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	449383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	401198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	217500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	220990	43.493	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.980%		
35) Dibromofluoromethane	8.147	113	163340	50.343	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.680%		
50) Toluene-d8	10.547	98	575111	47.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.720%		
62) 4-Bromofluorobenzene	12.829	95	208329	48.239	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	72258	20.515	ug/l	97
3) Chloromethane	2.383	50	67308	18.595	ug/l	97
4) Vinyl Chloride	2.536	62	70429	16.781	ug/l	95
5) Bromomethane	2.977	94	41715	19.263	ug/l	95
6) Chloroethane	3.136	64	45572	15.450	ug/l	99
7) Trichlorofluoromethane	3.506	101	116999	19.028	ug/l	95
8) Diethyl Ether	3.959	74	42402	15.834	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	65089	18.708	ug/l	93
10) Methyl Iodide	4.583	142	42700	20.996	ug/l	97
11) Tert butyl alcohol	5.524	59	87897	99.646	ug/l	97
12) 1,1-Dichloroethene	4.336	96	61428	17.181	ug/l	91
13) Acrolein	4.177	56	85631	78.965	ug/l	99
14) Allyl chloride	5.012	41	107539	16.598	ug/l	96
15) Acrylonitrile	5.712	53	233463	93.847	ug/l	99
16) Acetone	4.418	43	192535	69.609	ug/l	95
17) Carbon Disulfide	4.706	76	188322	19.133	ug/l	98
18) Methyl Acetate	5.018	43	115840	20.002	ug/l	95
19) Methyl tert-butyl Ether	5.783	73	251732	18.768	ug/l	91
20) Methylene Chloride	5.265	84	83560	20.145	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	73879	19.066	ug/l	91
22) Diisopropyl ether	6.659	45	246344	17.619	ug/l	98
23) Vinyl Acetate	6.589	43	1037440	81.555	ug/l	98
24) 1,1-Dichloroethane	6.553	63	144974	18.911	ug/l	96
25) 2-Butanone	7.471	43	333596	91.673	ug/l	98
26) 2,2-Dichloropropane	7.477	77	120598	18.329	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	86902	18.759	ug/l	98
28) Bromochloromethane	7.800	49	73042	19.708	ug/l	91
29) Tetrahydrofuran	7.824	42	205264	87.649	ug/l	95
30) Chloroform	7.947	83	149408	19.094	ug/l	95
31) Cyclohexane	8.241	56	118242	18.501	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	130505	19.680	ug/l	95
36) 1,1-Dichloropropene	8.353	75	97406	19.569	ug/l	97
37) Ethyl Acetate	7.547	43	126884	18.655	ug/l	97
38) Carbon Tetrachloride	8.341	117	108060	21.988	ug/l	98
39) Methylcyclohexane	9.582	83	115212	21.024	ug/l	95
40) Benzene	8.588	78	311718	20.418	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	71687	20.347	ug/l	97
42) 1,2-Dichloroethane	8.653	62	121255	20.668	ug/l	98
43) Isopropyl Acetate	8.671	43	204929	19.298	ug/l	97
44) Trichloroethene	9.335	130	75101	21.547	ug/l	99
45) 1,2-Dichloropropane	9.606	63	78565	19.523	ug/l	100
46) Dibromomethane	9.688	93	61343	21.421	ug/l	97
47) Bromodichloromethane	9.871	83	124974	21.294	ug/l	95
48) Methyl methacrylate	9.665	41	92043	18.325	ug/l	95
49) 1,4-Dioxane	9.682	88	31702	486.942	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	644545	100.600	ug/l	99
52) Toluene	10.612	92	193968	20.494	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	120636	19.858	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	126892	20.117	ug/l	91
55) 1,1,2-Trichloroethane	10.994	97	81139	22.161	ug/l	98
56) Ethyl methacrylate	10.853	69	113642	19.422	ug/l	99
57) 1,3-Dichloropropane	11.141	76	132204	20.403	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	281261	88.810	ug/l	98
59) 2-Hexanone	11.176	43	404639	99.930	ug/l	95
60) Dibromochloromethane	11.341	129	92426	21.787	ug/l	96
61) 1,2-Dibromoethane	11.447	107	80253	20.787	ug/l	98
64) Tetrachloroethene	11.076	164	61916	22.244	ug/l	94
65) Chlorobenzene	11.871	112	213742	21.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	76183	22.991	ug/l	98
67) Ethyl Benzene	11.941	91	353859	20.476	ug/l	99
68) m/p-Xylenes	12.047	106	276580	43.639	ug/l	95
69) o-Xylene	12.376	106	134094	21.589	ug/l	95
70) Styrene	12.388	104	224805	21.604	ug/l	98
71) Bromoform	12.559	173	60635	23.860	ug/l #	100
73) Isopropylbenzene	12.676	105	347954	19.798	ug/l	100
74) N-amyl acetate	12.576	43	107809m	16.186	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	122482	20.242	ug/l	97
76) 1,2,3-Trichloropropane	12.970	75	98809m	19.372	ug/l	
77) Bromobenzene	12.959	156	85656	20.670	ug/l	94
78) n-propylbenzene	13.012	91	439093	20.283	ug/l	99
79) 2-Chlorotoluene	13.100	91	251961	19.340	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	299614	20.095	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	35592	18.474	ug/l	89
82) 4-Chlorotoluene	13.200	91	258755	18.891	ug/l	95
83) tert-Butylbenzene	13.418	119	255240	20.543	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	298021	19.967	ug/l	98
85) sec-Butylbenzene	13.594	105	369333	20.031	ug/l	98
86) p-Isopropyltoluene	13.706	119	315034	20.692	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	171517	21.018	ug/l	96
88) 1,4-Dichlorobenzene	13.788	146	173720	20.456	ug/l	99
89) n-Butylbenzene	14.035	91	299386	19.800	ug/l	99
90) Hexachloroethane	14.312	117	59284	20.439	ug/l	89
91) 1,2-Dichlorobenzene	14.082	146	164245	21.215	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27262	18.966	ug/l	93
93) 1,2,4-Trichlorobenzene	15.370	180	96023	20.654	ug/l	100
94) Hexachlorobutadiene	15.476	225	37484	22.616	ug/l	96
95) Naphthalene	15.611	128	306716	18.626	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	90300	19.868	ug/l	96

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

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