

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087650.D
 Acq On : 25 Aug 2025 12:21
 Operator : JC\MD
 Sample : VN0825WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0825WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/26/2025
 Supervised By : Mahesh Dadoda 08/26/2025

Quant Time: Aug 26 01:32:11 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	223180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	452330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	403500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	202288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	214419	46.891	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.780%		
35) Dibromofluoromethane	8.153	113	150066	45.951	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.900%		
50) Toluene-d8	10.547	98	554082	45.330	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.660%		
62) 4-Bromofluorobenzene	12.829	95	194883	44.832	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	62067	19.581	ug/l	97
3) Chloromethane	2.383	50	62455	19.173	ug/l	95
4) Vinyl Chloride	2.536	62	70142	18.571	ug/l	98
5) Bromomethane	2.983	94	37956	19.476	ug/l	97
6) Chloroethane	3.136	64	48637	18.322	ug/l	97
7) Trichlorofluoromethane	3.512	101	104346	18.857	ug/l	97
8) Diethyl Ether	3.965	74	44292	18.379	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	55637	17.769	ug/l	98
10) Methyl Iodide	4.589	142	32544	18.824	ug/l	97
11) Tert butyl alcohol	5.530	59	74733	94.141	ug/l	99
12) 1,1-Dichloroethene	4.341	96	57619	17.907	ug/l	83
13) Acrolein	4.177	56	103430	105.982	ug/l	98
14) Allyl chloride	5.006	41	109090	18.709	ug/l	98
15) Acrylonitrile	5.706	53	198506	88.666	ug/l	99
16) Acetone	4.424	43	230719	92.687	ug/l	96
17) Carbon Disulfide	4.700	76	162082	18.297	ug/l	99
18) Methyl Acetate	5.024	43	96014	18.422	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	217356	18.007	ug/l	100
20) Methylene Chloride	5.265	84	66445	17.651	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	59125	16.954	ug/l	95
22) Diisopropyl ether	6.665	45	229975	18.276	ug/l #	97
23) Vinyl Acetate	6.588	43	1037528	90.629	ug/l	99
24) 1,1-Dichloroethane	6.553	63	122293	17.726	ug/l	95
25) 2-Butanone	7.471	43	297574	90.865	ug/l	99
26) 2,2-Dichloropropane	7.477	77	107942	18.229	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	71989	17.268	ug/l	95
28) Bromochloromethane	7.794	49	66584	19.963	ug/l	99
29) Tetrahydrofuran	7.824	42	185567	88.047	ug/l	99
30) Chloroform	7.947	83	125444	17.814	ug/l	98
31) Cyclohexane	8.235	56	104300	18.134	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	107771	18.059	ug/l	93
36) 1,1-Dichloropropene	8.353	75	82214	16.409	ug/l	97
37) Ethyl Acetate	7.547	43	112045	16.366	ug/l	98
38) Carbon Tetrachloride	8.347	117	89068	18.006	ug/l	95
39) Methylcyclohexane	9.582	83	92389	16.749	ug/l	96
40) Benzene	8.588	78	267561	17.412	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	58984	16.632	ug/l	97
42) 1,2-Dichloroethane	8.653	62	102076	17.286	ug/l	100
43) Isopropyl Acetate	8.671	43	186641	17.461	ug/l	99
44) Trichloroethene	9.329	130	60129	17.139	ug/l	100
45) 1,2-Dichloropropane	9.600	63	67419	16.644	ug/l	96
46) Dibromomethane	9.688	93	52335	18.156	ug/l	99
47) Bromodichloromethane	9.871	83	101851	17.241	ug/l #	98
48) Methyl methacrylate	9.665	41	81785	16.176	ug/l	94
49) 1,4-Dioxane	9.682	88	25351	386.854	ug/l #	95
51) 4-Methyl-2-Pentanone	10.429	43	569141	88.252	ug/l	99
52) Toluene	10.612	92	165573	17.380	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	106076	17.347	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	110849	17.459	ug/l	96
55) 1,1,2-Trichloroethane	11.000	97	65727	17.835	ug/l	97
56) Ethyl methacrylate	10.859	69	102199	17.352	ug/l	95
57) 1,3-Dichloropropane	11.141	76	116080	17.798	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.141	63	313174	98.243	ug/l	99
59) 2-Hexanone	11.182	43	375717	92.183	ug/l	96
60) Dibromochloromethane	11.341	129	71077	16.645	ug/l	99
61) 1,2-Dibromoethane	11.447	107	66188	17.033	ug/l	98
64) Tetrachloroethene	11.082	164	47516	16.973	ug/l	98
65) Chlorobenzene	11.870	112	174339	17.367	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	62197	18.663	ug/l	98
67) Ethyl Benzene	11.941	91	309756	17.822	ug/l	94
68) m/p-Xylenes	12.053	106	229940	36.073	ug/l	99
69) o-Xylene	12.376	106	107145	17.152	ug/l	93
70) Styrene	12.394	104	187825	17.947	ug/l	97
71) Bromoform	12.559	173	46548	18.212	ug/l #	97
73) Isopropylbenzene	12.676	105	282717	17.296	ug/l	99
74) N-amyl acetate	12.535	43	124550m	20.106	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	102489	18.211	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	99469m	20.968	ug/l	
77) Bromobenzene	12.959	156	68300	17.721	ug/l	99
78) n-propylbenzene	13.012	91	357820	17.772	ug/l	100
79) 2-Chlorotoluene	13.100	91	212124	17.507	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	243662	17.572	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	31638	17.656	ug/l	85
82) 4-Chlorotoluene	13.200	91	221660	17.400	ug/l	98
83) tert-Butylbenzene	13.417	119	202379	17.514	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	249103	17.945	ug/l	97
85) sec-Butylbenzene	13.594	105	304307	17.746	ug/l	100
86) p-Isopropyltoluene	13.706	119	247840	17.503	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	129407	17.050	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	134736	17.058	ug/l	99
89) n-Butylbenzene	14.035	91	245432	17.452	ug/l	99
90) Hexachloroethane	14.306	117	46243	17.141	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	127220	17.668	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22816	17.066	ug/l	94
93) 1,2,4-Trichlorobenzene	15.370	180	74556	17.243	ug/l	99
94) Hexachlorobutadiene	15.476	225	26329	17.080	ug/l	99
95) Naphthalene	15.617	128	262337	17.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	71418	16.895	ug/l	96

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

