

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087663.D
 Acq On : 25 Aug 2025 17:08
 Operator : JC\MD
 Sample : VN0825WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0825WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Aug 26 01:39:42 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	8.212	168	215493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	433384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	406067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	225069	50.976	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	101.960%		
35) Dibromofluoromethane	8.153	113	143816	45.962	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.920%		
50) Toluene-d8	10.547	98	532446	45.464	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.920%		
62) 4-Bromofluorobenzene	12.829	95	197279	47.367	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	66957	21.877	ug/l	98
3) Chloromethane	2.389	50	69354	22.050	ug/l	97
4) Vinyl Chloride	2.542	62	78665	21.570	ug/l	91
5) Bromomethane	2.977	94	33922	18.027	ug/l	88
6) Chloroethane	3.142	64	51818	20.216	ug/l	98
7) Trichlorofluoromethane	3.518	101	115484	21.614	ug/l	100
8) Diethyl Ether	3.953	74	50053	21.510	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	61839	20.454	ug/l	98
10) Methyl Iodide	4.583	142	24106	16.026	ug/l	92
11) Tert butyl alcohol	5.518	59	84935	110.809	ug/l	98
12) 1,1-Dichloroethene	4.336	96	64504	20.762	ug/l	92
13) Acrolein	4.171	56	105030	111.461	ug/l	99
14) Allyl chloride	5.012	41	106250	18.872	ug/l	98
15) Acrylonitrile	5.706	53	226959	104.991	ug/l	99
16) Acetone	4.424	43	224939	93.588	ug/l	96
17) Carbon Disulfide	4.700	76	167543	19.588	ug/l	100
18) Methyl Acetate	5.018	43	114545	22.761	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	240816	20.662	ug/l	97
20) Methylene Chloride	5.271	84	74797	20.790	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	65258	19.381	ug/l	95
22) Diisopropyl ether	6.659	45	254447	20.942	ug/l #	98
23) Vinyl Acetate	6.588	43	1057794	95.696	ug/l	98
24) 1,1-Dichloroethane	6.559	63	135610	20.357	ug/l	97
25) 2-Butanone	7.471	43	336720	106.486	ug/l	100
26) 2,2-Dichloropropane	7.477	77	107901	18.872	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	81365	20.213	ug/l	98
28) Bromochloromethane	7.800	49	59819	18.574	ug/l	99
29) Tetrahydrofuran	7.824	42	217950	107.101	ug/l	98
30) Chloroform	7.953	83	142047	20.891	ug/l	98
31) Cyclohexane	8.241	56	113189	20.382	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	116862	20.280	ug/l	99
36) 1,1-Dichloropropene	8.353	75	92049	19.176	ug/l	99
37) Ethyl Acetate	7.553	43	129921	19.806	ug/l	99
38) Carbon Tetrachloride	8.347	117	94564	19.952	ug/l	96
39) Methylcyclohexane	9.582	83	98733	18.682	ug/l	97
40) Benzene	8.588	78	297446	20.202	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	71705	21.103	ug/l	99
42) 1,2-Dichloroethane	8.653	62	114608	20.256	ug/l	99
43) Isopropyl Acetate	8.676	43	218204	21.307	ug/l	98
44) Trichloroethene	9.335	130	66280	19.718	ug/l	98
45) 1,2-Dichloropropane	9.600	63	76376	19.680	ug/l	97
46) Dibromomethane	9.688	93	56552	20.477	ug/l	99
47) Bromodichloromethane	9.870	83	115700	20.442	ug/l	97
48) Methyl methacrylate	9.665	41	99786	20.599	ug/l	97
49) 1,4-Dioxane	9.682	88	27885	444.125	ug/l #	100
51) 4-Methyl-2-Pentanone	10.423	43	667629	108.050	ug/l	100
52) Toluene	10.612	92	181212	19.853	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	118177	20.171	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	122369	20.116	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	74372	21.063	ug/l	95
56) Ethyl methacrylate	10.853	69	116146	20.583	ug/l	97
57) 1,3-Dichloropropane	11.141	76	128799	20.611	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	286144	93.687	ug/l	100
59) 2-Hexanone	11.176	43	433718	111.066	ug/l	98
60) Dibromochloromethane	11.335	129	82328	20.123	ug/l	98
61) 1,2-Dibromoethane	11.447	107	76702	20.601	ug/l	99
64) Tetrachloroethene	11.076	164	51394	18.243	ug/l	87
65) Chlorobenzene	11.870	112	198961	19.695	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.941	131	68578	20.448	ug/l	99
67) Ethyl Benzene	11.941	91	344685	19.706	ug/l	98
68) m/p-Xylenes	12.053	106	261001	40.687	ug/l	98
69) o-Xylene	12.376	106	125443	19.954	ug/l	97
70) Styrene	12.394	104	214139	20.332	ug/l	97
71) Bromoform	12.559	173	52958	20.589	ug/l #	94
73) Isopropylbenzene	12.676	105	321207	18.791	ug/l	99
74) N-amyl acetate	12.523	43	128725m	19.871	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	119755	20.349	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	109918m	22.158	ug/l	
77) Bromobenzene	12.959	156	74993	18.607	ug/l	96
78) n-propylbenzene	13.011	91	397621	18.884	ug/l	99
79) 2-Chlorotoluene	13.106	91	240620	18.990	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	276791	19.087	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	31562	16.844	ug/l	93
82) 4-Chlorotoluene	13.200	91	253129	19.001	ug/l	98
83) tert-Butylbenzene	13.411	119	231063	19.121	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	280690	19.336	ug/l	98
85) sec-Butylbenzene	13.594	105	341767	19.059	ug/l	99
86) p-Isopropyltoluene	13.706	119	280582	18.948	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	145844	18.375	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	156509	18.948	ug/l	99
89) n-Butylbenzene	14.035	91	271384	18.453	ug/l	98
90) Hexachloroethane	14.311	117	51905	18.399	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	144855	19.237	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27059	19.355	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	82072	18.151	ug/l	99
94) Hexachlorobutadiene	15.476	225	29443	18.265	ug/l	97
95) Naphthalene	15.611	128	305267	19.060	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	79938	18.084	ug/l	97

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

