

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087263.D
 Acq On : 03 Jul 2025 12:05
 Operator : JC\MD
 Sample : VN0703WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:28:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	227972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	381904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	190045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	139687	48.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.640%		
35) Dibromofluoromethane	8.171	113	118923	48.632	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.260%		
50) Toluene-d8	10.565	98	453535	47.583	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.160%		
62) 4-Bromofluorobenzene	12.847	95	158193	46.645	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	43905	19.790	ug/l	96
3) Chloromethane	2.395	50	33807	18.766	ug/l	99
4) Vinyl Chloride	2.554	62	41720	18.837	ug/l	94
5) Bromomethane	3.001	94	36298	17.959	ug/l	97
6) Chloroethane	3.159	64	33286	18.973	ug/l	98
7) Trichlorofluoromethane	3.530	101	70664	18.387	ug/l	99
8) Diethyl Ether	3.989	74	23221	18.933	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.401	101	42630	19.105	ug/l	98
10) Methyl Iodide	4.618	142	36638	16.548	ug/l	92
11) Tert butyl alcohol	5.530	59	44570	85.473	ug/l	99
12) 1,1-Dichloroethene	4.371	96	39318	18.548	ug/l	93
13) Acrolein	4.206	56	37879	104.881	ug/l	99
14) Allyl chloride	5.053	41	44082	16.968	ug/l	96
15) Acrylonitrile	5.742	53	115303	88.819	ug/l	99
16) Acetone	4.442	43	109865	100.437	ug/l	95
17) Carbon Disulfide	4.742	76	112190	17.640	ug/l	97
18) Methyl Acetate	5.053	43	47168	18.836	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	130729	17.596	ug/l	97
20) Methylene Chloride	5.300	84	45245	18.672	ug/l	92
21) trans-1,2-Dichloroethene	5.806	96	45198	17.645	ug/l	97
22) Diisopropyl ether	6.683	45	108371	17.423	ug/l	97
23) Vinyl Acetate	6.618	43	487619	84.766	ug/l	100
24) 1,1-Dichloroethane	6.589	63	73483	18.031	ug/l	96
25) 2-Butanone	7.494	43	152346	89.120	ug/l	96
26) 2,2-Dichloropropane	7.494	77	73675	18.892	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	54188	18.318	ug/l	97
28) Bromochloromethane	7.818	49	32965	18.326	ug/l	99
29) Tetrahydrofuran	7.847	42	93777	85.131	ug/l	99
30) Chloroform	7.971	83	80480	17.817	ug/l	94
31) Cyclohexane	8.259	56	63417	16.275	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	75225	17.882	ug/l	99
36) 1,1-Dichloropropene	8.377	75	57494	17.289	ug/l	99
37) Ethyl Acetate	7.571	43	61114	17.096	ug/l	100
38) Carbon Tetrachloride	8.371	117	67263	17.851	ug/l	99
39) Methylcyclohexane	9.600	83	66186	16.713	ug/l	99
40) Benzene	8.612	78	177299	17.210	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	27697	16.204	ug/l	93
42) 1,2-Dichloroethane	8.677	62	59500	17.366	ug/l	98
43) Isopropyl Acetate	8.694	43	93604	16.884	ug/l	98
44) Trichloroethene	9.353	130	47991	17.531	ug/l	94
45) 1,2-Dichloropropane	9.624	63	39862	17.746	ug/l	94
46) Dibromomethane	9.712	93	33573	17.569	ug/l	99
47) Bromodichloromethane	9.888	83	65257	17.906	ug/l	96
48) Methyl methacrylate	9.683	41	38192	16.346	ug/l	97
49) 1,4-Dioxane	9.700	88	16984	359.877	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	283085	83.458	ug/l	98
52) Toluene	10.630	92	117689	17.418	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	65537	16.766	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	70689	17.749	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	45507	17.829	ug/l	95
56) Ethyl methacrylate	10.882	69	55881	14.944	ug/l	97
57) 1,3-Dichloropropane	11.165	76	73079	17.543	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	156937	79.408	ug/l	99
59) 2-Hexanone	11.206	43	222526m	91.587	ug/l	
60) Dibromochloromethane	11.359	129	54009	17.950	ug/l	98
61) 1,2-Dibromoethane	11.465	107	48409	17.632	ug/l	99
64) Tetrachloroethene	11.106	164	41322	17.799	ug/l	96
65) Chlorobenzene	11.888	112	139444	17.848	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	49318	18.281	ug/l	99
67) Ethyl Benzene	11.959	91	215458	17.042	ug/l	97
68) m/p-Xylenes	12.071	106	177365	35.114	ug/l	97
69) o-Xylene	12.394	106	82975	17.561	ug/l	95
70) Styrene	12.406	104	140167	17.455	ug/l	99
71) Bromoform	12.576	173	37341	17.941	ug/l #	99
73) Isopropylbenzene	12.694	105	207922	16.980	ug/l	100
74) N-amyl acetate	12.541	43	57991m	14.401	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	69116	17.160	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	66064m	18.276	ug/l	
77) Bromobenzene	12.982	156	58802	18.396	ug/l	97
78) n-propylbenzene	13.035	91	253070	17.109	ug/l	99
79) 2-Chlorotoluene	13.123	91	147696	16.778	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	177573	17.349	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	25350	16.472	ug/l	97
82) 4-Chlorotoluene	13.218	91	156487	16.982	ug/l	100
83) tert-Butylbenzene	13.435	119	153964	17.169	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	181817	17.733	ug/l	99
85) sec-Butylbenzene	13.612	105	214600	16.883	ug/l	98
86) p-Isopropyltoluene	13.723	119	186675	17.085	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	114432	17.976	ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	113381	17.058	ug/l	98
89) n-Butylbenzene	14.053	91	160995	16.736	ug/l	98
90) Hexachloroethane	14.329	117	35468	17.538	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	104499	17.552	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15536	16.050	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	59004	16.760	ug/l	99
94) Hexachlorobutadiene	15.494	225	18822	16.830	ug/l	96
95) Naphthalene	15.635	128	192972	15.843	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	56984	16.614	ug/l	98

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

