

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087264.D
 Acq On : 03 Jul 2025 12:39
 Operator : JC\MD
 Sample : VN0703WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0703WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jul 04 01:29:06 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	210099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	180696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136187	51.647	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.300%			
35) Dibromofluoromethane	8.171	113	113318	49.844	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.565	98	422468	47.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.340%			
62) 4-Bromofluorobenzene	12.847	95	151867	48.166	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	41535	20.314	ug/l	99
3) Chloromethane	2.395	50	32418	19.526	ug/l	90
4) Vinyl Chloride	2.553	62	40290	19.739	ug/l	93
5) Bromomethane	3.001	94	34368	18.451	ug/l	93
6) Chloroethane	3.159	64	30842	19.076	ug/l	96
7) Trichlorofluoromethane	3.530	101	66666	18.822	ug/l	96
8) Diethyl Ether	3.989	74	21937	19.408	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.406	101	41051	19.963	ug/l	96
10) Methyl Iodide	4.618	142	38287	18.764	ug/l #	91
11) Tert butyl alcohol	5.536	59	46040	95.804	ug/l #	91
12) 1,1-Dichloroethene	4.365	96	36807	18.841	ug/l	99
13) Acrolein	4.206	56	39106	117.490	ug/l	97
14) Allyl chloride	5.053	41	45113	18.842	ug/l	97
15) Acrylonitrile	5.736	53	111296	93.026	ug/l	99
16) Acetone	4.447	43	104974	104.129	ug/l	97
17) Carbon Disulfide	4.742	76	103782	17.706	ug/l	99
18) Methyl Acetate	5.042	43	46439	20.122	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	130631	19.079	ug/l	100
20) Methylene Chloride	5.294	84	44083	19.740	ug/l	98
21) trans-1,2-Dichloroethene	5.818	96	42060	17.817	ug/l	99
22) Diisopropyl ether	6.683	45	103973	18.138	ug/l	93
23) Vinyl Acetate	6.618	43	486322	91.732	ug/l	98
24) 1,1-Dichloroethane	6.583	63	70478	18.765	ug/l	97
25) 2-Butanone	7.488	43	154680	98.182	ug/l	97
26) 2,2-Dichloropropane	7.500	77	66432	18.484	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	50197	18.413	ug/l	98
28) Bromochloromethane	7.824	49	31784	19.172	ug/l	100
29) Tetrahydrofuran	7.847	42	95275	93.848	ug/l	99
30) Chloroform	7.971	83	78344	18.819	ug/l	97
31) Cyclohexane	8.265	56	59609	16.599	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	71858	18.535	ug/l	98
36) 1,1-Dichloropropene	8.377	75	52396	16.948	ug/l	98
37) Ethyl Acetate	7.565	43	58229	17.521	ug/l	99
38) Carbon Tetrachloride	8.371	117	63285	18.065	ug/l	98
39) Methylcyclohexane	9.606	83	59883	16.265	ug/l	97
40) Benzene	8.612	78	167144	17.451	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	28992	18.245	ug/l	97
42) 1,2-Dichloroethane	8.677	62	62235	19.538	ug/l	99
43) Isopropyl Acetate	8.688	43	94419	18.319	ug/l	99
44) Trichloroethene	9.359	130	44156	17.349	ug/l	92
45) 1,2-Dichloropropane	9.618	63	38607	18.487	ug/l #	88
46) Dibromomethane	9.712	93	32430	18.254	ug/l	98
47) Bromodichloromethane	9.888	83	62744	18.518	ug/l	99
48) Methyl methacrylate	9.688	41	38570	17.756	ug/l	99
49) 1,4-Dioxane	9.700	88	15767	359.376	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	283771	89.986	ug/l	97
52) Toluene	10.629	92	112018	17.833	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	67202	18.491	ug/l	90
54) cis-1,3-Dichloropropene	10.312	75	66889	18.065	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	45533	19.188	ug/l	96
56) Ethyl methacrylate	10.882	69	56144	16.149	ug/l	97
57) 1,3-Dichloropropane	11.159	76	70765	18.272	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	158022	86.003	ug/l	99
59) 2-Hexanone	11.206	43	214405m	94.917	ug/l	
60) Dibromochloromethane	11.359	129	53060	18.969	ug/l	97
61) 1,2-Dibromoethane	11.471	107	47588	18.644	ug/l	100
64) Tetrachloroethene	11.100	164	39540	17.946	ug/l	92
65) Chlorobenzene	11.888	112	132592	17.882	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	47121	18.404	ug/l	97
67) Ethyl Benzene	11.959	91	205180	17.101	ug/l	97
68) m/p-Xylenes	12.070	106	162853	33.972	ug/l	100
69) o-Xylene	12.394	106	76367	17.030	ug/l	97
70) Styrene	12.406	104	131670	17.278	ug/l	99
71) Bromoform	12.582	173	37933	19.204	ug/l #	99
73) Isopropylbenzene	12.694	105	197201	16.937	ug/l	100
74) N-amyl acetate	12.547	43	67800m	17.708	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	70818	18.492	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	67340m	19.593	ug/l	
77) Bromobenzene	12.976	156	55144	18.144	ug/l	99
78) n-propylbenzene	13.035	91	237670	16.899	ug/l	98
79) 2-Chlorotoluene	13.123	91	140009	16.728	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	168553	17.320	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22934	15.674	ug/l	95
82) 4-Chlorotoluene	13.217	91	145027	16.552	ug/l	98
83) tert-Butylbenzene	13.435	119	140811	16.515	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	169493	17.386	ug/l	99
85) sec-Butylbenzene	13.612	105	202383	16.745	ug/l	99
86) p-Isopropyltoluene	13.729	119	173754	16.725	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	108186	17.874	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	108699	17.200	ug/l	98
89) n-Butylbenzene	14.053	91	151104	16.520	ug/l	98
90) Hexachloroethane	14.335	117	33756	17.555	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	98246	17.356	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16109	17.503	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	56881	16.992	ug/l	98
94) Hexachlorobutadiene	15.500	225	17062	16.046	ug/l	100
95) Naphthalene	15.635	128	191880	16.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	56459	17.312	ug/l	96

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

