

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
 Data File : VN087285.D
 Acq On : 07 Jul 2025 11:06
 Operator : JC\MD
 Sample : VN0707WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0707WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

Quant Time: Jul 08 02:26:03 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	238728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	380075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	195725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	138696	46.291	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.580%		
35) Dibromofluoromethane	8.177	113	121073	49.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.500%		
50) Toluene-d8	10.565	98	445923	47.009	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.020%		
62) 4-Bromofluorobenzene	12.847	95	157354	46.621	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	40666	17.504	ug/l	96
3) Chloromethane	2.401	50	32787	17.380	ug/l	97
4) Vinyl Chloride	2.554	62	41005	17.680	ug/l	95
5) Bromomethane	2.995	94	34613	16.354	ug/l	94
6) Chloroethane	3.160	64	31050	16.901	ug/l	95
7) Trichlorofluoromethane	3.530	101	71013	17.645	ug/l	100
8) Diethyl Ether	3.983	74	21140	16.460	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.401	101	40624	17.386	ug/l	97
10) Methyl Iodide	4.618	142	42453	18.310	ug/l	98
11) Tert butyl alcohol	5.542	59	45948	84.146	ug/l	99
12) 1,1-Dichloroethene	4.371	96	39318	17.712	ug/l	99
13) Acrolein	4.207	56	34596	91.475	ug/l	96
14) Allyl chloride	5.048	41	43188	15.875	ug/l	98
15) Acrylonitrile	5.736	53	110203	81.066	ug/l	99
16) Acetone	4.454	43	106926	93.346	ug/l	96
17) Carbon Disulfide	4.736	76	105899	15.901	ug/l	99
18) Methyl Acetate	5.048	43	45689	17.423	ug/l	97
19) Methyl tert-butyl Ether	5.824	73	122401	15.733	ug/l	99
20) Methylene Chloride	5.301	84	43097	16.984	ug/l	92
21) trans-1,2-Dichloroethene	5.812	96	43204	16.107	ug/l	96
22) Diisopropyl ether	6.689	45	101683	15.611	ug/l	97
23) Vinyl Acetate	6.612	43	456913	75.849	ug/l	100
24) 1,1-Dichloroethane	6.583	63	69240	16.224	ug/l	97
25) 2-Butanone	7.495	43	146138	81.636	ug/l	94
26) 2,2-Dichloropropane	7.500	77	70379	17.234	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	50669	16.357	ug/l	97
28) Bromochloromethane	7.818	49	30387	16.132	ug/l	94
29) Tetrahydrofuran	7.853	42	94053	81.534	ug/l	98
30) Chloroform	7.971	83	79085	16.719	ug/l	97
31) Cyclohexane	8.265	56	61919	15.175	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	72863	16.540	ug/l	97
36) 1,1-Dichloropropene	8.377	75	53583	16.191	ug/l	97
37) Ethyl Acetate	7.571	43	57346	16.119	ug/l	98
38) Carbon Tetrachloride	8.365	117	66364	17.697	ug/l #	91
39) Methylcyclohexane	9.606	83	62321	15.813	ug/l	93
40) Benzene	8.612	78	166256	16.215	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	28454	16.727	ug/l	97
42) 1,2-Dichloroethane	8.677	62	58397	17.127	ug/l	100
43) Isopropyl Acetate	8.689	43	87015	15.771	ug/l	98
44) Trichloroethene	9.353	130	47464	17.422	ug/l	96
45) 1,2-Dichloropropane	9.624	63	38728	17.324	ug/l	100
46) Dibromomethane	9.712	93	32809	17.252	ug/l	99
47) Bromodichloromethane	9.889	83	61217	16.878	ug/l	93
48) Methyl methacrylate	9.683	41	35804	15.397	ug/l	97
49) 1,4-Dioxane	9.706	88	16734	356.452	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	266301	78.887	ug/l	98
52) Toluene	10.630	92	110949	16.500	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	63612	16.351	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	65996	16.650	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	43983	17.315	ug/l	96
56) Ethyl methacrylate	10.883	69	54241	14.575	ug/l	97
57) 1,3-Dichloropropane	11.165	76	67770	16.347	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	153002	77.789	ug/l	100
59) 2-Hexanone	11.206	43	151723	62.747	ug/l	98
60) Dibromochloromethane	11.359	129	51728	17.275	ug/l	98
61) 1,2-Dibromoethane	11.471	107	46746	17.108	ug/l	100
64) Tetrachloroethene	11.106	164	40776	17.108	ug/l	98
65) Chlorobenzene	11.888	112	134584	16.779	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	45955	16.592	ug/l	99
67) Ethyl Benzene	11.965	91	204197	15.732	ug/l	98
68) m/p-Xylenes	12.071	106	167202	32.243	ug/l	99
69) o-Xylene	12.394	106	75574	15.579	ug/l	100
70) Styrene	12.412	104	131779	15.985	ug/l	99
71) Bromoform	12.577	173	37090	17.358	ug/l #	96
73) Isopropylbenzene	12.694	105	195805	15.526	ug/l	98
74) N-amyl acetate	12.541	43	57024m	13.750	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	66838	16.112	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	64459m	17.314	ug/l	
77) Bromobenzene	12.977	156	56269	17.092	ug/l	94
78) n-propylbenzene	13.035	91	238919	15.684	ug/l	99
79) 2-Chlorotoluene	13.124	91	141009	15.553	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	169810	16.109	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	22759	14.360	ug/l	89
82) 4-Chlorotoluene	13.218	91	147891	15.583	ug/l	100
83) tert-Butylbenzene	13.435	119	143258	15.512	ug/l	99
84) 1,2,4-Trimethylbenzene	13.477	105	174133	16.491	ug/l	99
85) sec-Butylbenzene	13.612	105	206693	15.789	ug/l	98
86) p-Isopropyltoluene	13.729	119	182099	16.183	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	107919	16.461	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	111454	16.281	ug/l	97
89) n-Butylbenzene	14.053	91	153634	15.507	ug/l	98
90) Hexachloroethane	14.329	117	34157	16.399	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	101861	16.613	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	15645	15.694	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	57258	15.792	ug/l	100
94) Hexachlorobutadiene	15.494	225	19082	16.567	ug/l	98
95) Naphthalene	15.635	128	185011	14.748	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	56386	15.962	ug/l	98

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

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