

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087371.D
 Acq On : 21 Jul 2025 11:55
 Operator : JC\MD
 Sample : VN0721WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0721WBS01

Quant Time: Jul 22 03:04:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	195078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	337215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	308523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	161452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	156616	47.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.640%		
35) Dibromofluoromethane	8.153	113	113549	48.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.640%		
50) Toluene-d8	10.547	98	418084	50.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.780%		
62) 4-Bromofluorobenzene	12.829	95	152963	49.898	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	45478	21.949	ug/l	93
3) Chloromethane	2.389	50	49057	18.828	ug/l	96
4) Vinyl Chloride	2.542	62	49167	18.988	ug/l	97
5) Bromomethane	2.983	94	25728	19.187	ug/l	97
6) Chloroethane	3.142	64	30502	18.063	ug/l	92
7) Trichlorofluoromethane	3.512	101	73088	19.089	ug/l	89
8) Diethyl Ether	3.965	74	25832	17.392	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	40048	20.375	ug/l	98
10) Methyl Iodide	4.577	142	28199	18.006	ug/l	98
11) Tert butyl alcohol	5.524	59	53952	85.841	ug/l	98
12) 1,1-Dichloroethene	4.336	96	40303	18.095	ug/l	95
13) Acrolein	4.183	56	42192	83.649	ug/l	93
14) Allyl chloride	5.018	41	69156	17.157	ug/l	99
15) Acrylonitrile	5.712	53	142826	83.743	ug/l	99
16) Acetone	4.424	43	133162	85.801	ug/l	99
17) Carbon Disulfide	4.706	76	121611	18.416	ug/l	95
18) Methyl Acetate	5.018	43	68652	17.607	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	140893	17.162	ug/l	97
20) Methylene Chloride	5.271	84	46556	17.327	ug/l	89
21) trans-1,2-Dichloroethene	5.771	96	44578	17.750	ug/l	92
22) Diisopropyl ether	6.659	45	157889	18.674	ug/l	94
23) Vinyl Acetate	6.588	43	694729	93.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	85653	17.559	ug/l	98
25) 2-Butanone	7.471	43	207099	86.364	ug/l	99
26) 2,2-Dichloropropane	7.477	77	77666	20.479	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	51900	17.950	ug/l	98
28) Bromochloromethane	7.800	49	41440	17.751	ug/l	99
29) Tetrahydrofuran	7.830	42	131520	84.427	ug/l	99
30) Chloroform	7.947	83	87539	17.929	ug/l	97
31) Cyclohexane	8.241	56	81992	20.149	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	78792	18.632	ug/l	97
36) 1,1-Dichloropropene	8.359	75	61263	19.935	ug/l	100
37) Ethyl Acetate	7.553	43	78541	17.696	ug/l	96
38) Carbon Tetrachloride	8.347	117	66297	19.583	ug/l	93
39) Methylcyclohexane	9.582	83	69647	20.933	ug/l #	91
40) Benzene	8.588	78	192485	19.379	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	41272	17.784	ug/l	96
42) 1,2-Dichloroethane	8.653	62	68935	18.301	ug/l	99
43) Isopropyl Acetate	8.677	43	124383	18.053	ug/l	100
44) Trichloroethene	9.335	130	44065	18.776	ug/l	86
45) 1,2-Dichloropropane	9.600	63	48604	19.258	ug/l #	87
46) Dibromomethane	9.694	93	34607	18.314	ug/l	98
47) Bromodichloromethane	9.871	83	69750	18.326	ug/l	94
48) Methyl methacrylate	9.665	41	55452	17.877	ug/l	97
49) 1,4-Dioxane	9.677	88	17060	359.104	ug/l #	97
51) 4-Methyl-2-Pentanone	10.429	43	401014	92.023	ug/l	99
52) Toluene	10.612	92	116138	19.237	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	72070	18.710	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	74540	18.734	ug/l	96
55) 1,1,2-Trichloroethane	11.000	97	45751	18.718	ug/l #	87
56) Ethyl methacrylate	10.859	69	66938	17.074	ug/l	97
57) 1,3-Dichloropropane	11.141	76	78676	18.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	195869	97.690	ug/l	100
59) 2-Hexanone	11.176	43	264794	91.587	ug/l	99
60) Dibromochloromethane	11.341	129	52477	18.826	ug/l	96
61) 1,2-Dibromoethane	11.453	107	44615	17.360	ug/l	99
64) Tetrachloroethene	11.082	164	36432	18.347	ug/l	97
65) Chlorobenzene	11.871	112	128645	18.573	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	44082	18.716	ug/l	99
67) Ethyl Benzene	11.941	91	206561	18.115	ug/l	99
68) m/p-Xylenes	12.053	106	168727	39.515	ug/l	98
69) o-Xylene	12.376	106	75002	18.388	ug/l	100
70) Styrene	12.394	104	132593	19.325	ug/l	99
71) Bromoform	12.559	173	34591	18.179	ug/l #	97
73) Isopropylbenzene	12.676	105	198119	19.497	ug/l	98
74) N-amyl acetate	12.512	43	82883m	19.632	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	70547	18.451	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	61699m	17.042	ug/l	
77) Bromobenzene	12.959	156	49824	18.906	ug/l	99
78) n-propylbenzene	13.018	91	256928	20.096	ug/l	100
79) 2-Chlorotoluene	13.106	91	152583	19.419	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	174332	20.136	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.723	75	22951	17.345	ug/l	95
82) 4-Chlorotoluene	13.200	91	154290	18.861	ug/l	99
83) tert-Butylbenzene	13.417	119	146165	20.214	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	177920	20.123	ug/l	100
85) sec-Butylbenzene	13.594	105	220837	20.275	ug/l	99
86) p-Isopropyltoluene	13.706	119	181563	20.801	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	98893	19.120	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	99576	18.026	ug/l	95
89) n-Butylbenzene	14.035	91	170515	20.458	ug/l	99
90) Hexachloroethane	14.306	117	36514	19.744	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	94733	19.334	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.694	75	16367	16.304	ug/l	95
93) 1,2,4-Trichlorobenzene	15.370	180	55564	19.305	ug/l	99
94) Hexachlorobutadiene	15.476	225	24726	23.120	ug/l	96
95) Naphthalene	15.617	128	175395	17.202	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	54756	18.966	ug/l	99

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

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