

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087506.D
 Acq On : 12 Aug 2025 12:15
 Operator : JC\MD
 Sample : VN0812WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/13/2025
 Supervised By : Mahesh Dadoda 08/14/2025

Quant Time: Aug 13 03:01:38 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

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	316315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	602749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	538329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	271905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	293328	54.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.300%			
35) Dibromofluoromethane	8.153	113	199025	47.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	10.547	98	729008	49.154	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.829	95	275991	50.369	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	81009	24.112	ug/l	94
3) Chloromethane	2.383	50	73711	17.447	ug/l	97
4) Vinyl Chloride	2.536	62	83444	19.874	ug/l	99
5) Bromomethane	2.977	94	41884	19.264	ug/l	99
6) Chloroethane	3.136	64	56927	20.790	ug/l	95
7) Trichlorofluoromethane	3.512	101	123785	19.938	ug/l	99
8) Diethyl Ether	3.965	74	51871	21.538	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	67497	21.179	ug/l	96
10) Methyl Iodide	4.583	142	36328	15.463	ug/l	97
11) Tert butyl alcohol	5.524	59	102209	100.292	ug/l	100
12) 1,1-Dichloroethene	4.336	96	69852	19.341	ug/l	98
13) Acrolein	4.171	56	99431	121.574	ug/l	98
14) Allyl chloride	5.006	41	124999	19.125	ug/l	90
15) Acrylonitrile	5.712	53	263751	95.373	ug/l	99
16) Acetone	4.418	43	255295	101.448	ug/l	97
17) Carbon Disulfide	4.700	76	196026	18.308	ug/l #	92
18) Methyl Acetate	5.018	43	133709	21.148	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	286216	21.501	ug/l	99
20) Methylene Chloride	5.265	84	82662	19.035	ug/l #	92
21) trans-1,2-Dichloroethene	5.777	96	75663	18.580	ug/l	97
22) Diisopropyl ether	6.659	45	288633	21.053	ug/l	93
23) Vinyl Acetate	6.594	43	1342042	111.925	ug/l	100
24) 1,1-Dichloroethane	6.553	63	151494	19.153	ug/l	99
25) 2-Butanone	7.471	43	375178	96.490	ug/l	99
26) 2,2-Dichloropropane	7.471	77	137342	22.334	ug/l	96
27) cis-1,2-Dichloroethene	7.477	96	91677	19.554	ug/l	93
28) Bromochloromethane	7.794	49	79375	20.968	ug/l	93
29) Tetrahydrofuran	7.830	42	242813	96.128	ug/l	99
30) Chloroform	7.953	83	158757	20.053	ug/l	99
31) Cyclohexane	8.241	56	134129	20.328	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	138332	20.174	ug/l	100
36) 1,1-Dichloropropene	8.353	75	105428	19.193	ug/l	98
37) Ethyl Acetate	7.547	43	150932	19.025	ug/l	96
38) Carbon Tetrachloride	8.347	117	112293	18.557	ug/l	97
39) Methylcyclohexane	9.582	83	126244	21.228	ug/l	97
40) Benzene	8.588	78	334355	18.833	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	83268	20.073	ug/l	97
42) 1,2-Dichloroethane	8.653	62	133532	19.834	ug/l	97
43) Isopropyl Acetate	8.677	43	248054	20.142	ug/l	98
44) Trichloroethene	9.335	130	75314	17.953	ug/l	95
45) 1,2-Dichloropropane	9.606	63	83396	18.487	ug/l	100
46) Dibromomethane	9.688	93	65028	19.253	ug/l	96
47) Bromodichloromethane	9.865	83	131255	19.293	ug/l	97
48) Methyl methacrylate	9.665	41	121895	21.986	ug/l	92
49) 1,4-Dioxane	9.682	88	32230	379.553	ug/l #	96
51) 4-Methyl-2-Pentanone	10.429	43	741796	95.234	ug/l	99
52) Toluene	10.612	92	202515	18.767	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	141175	20.504	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	139104	19.559	ug/l #	86
55) 1,1,2-Trichloroethane	11.000	97	82621	18.912	ug/l	93
56) Ethyl methacrylate	10.859	69	136760	19.396	ug/l #	91
57) 1,3-Dichloropropane	11.147	76	143609	19.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	400299	111.697	ug/l	98
59) 2-Hexanone	11.182	43	487628	94.359	ug/l	99
60) Dibromochloromethane	11.341	129	89968	18.057	ug/l	98
61) 1,2-Dibromoethane	11.453	107	85152	18.537	ug/l	94
64) Tetrachloroethene	11.082	164	60688	17.516	ug/l	93
65) Chlorobenzene	11.871	112	223600	18.501	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	75727	18.427	ug/l	98
67) Ethyl Benzene	11.941	91	397671	19.987	ug/l	96
68) m/p-Xylenes	12.053	106	285031	38.257	ug/l	88
69) o-Xylene	12.376	106	145282	20.414	ug/l	98
70) Styrene	12.388	104	237836	19.866	ug/l	96
71) Bromoform	12.559	173	59255	17.847	ug/l #	100
73) Isopropylbenzene	12.676	105	372519	21.768	ug/l	97
74) N-amyl acetate	12.523	43	129419m	18.202	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	125948	19.559	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	119046m	19.525	ug/l	
77) Bromobenzene	12.959	156	85950	19.366	ug/l	93
78) n-propylbenzene	13.018	91	464459	21.572	ug/l	96
79) 2-Chlorotoluene	13.106	91	274748	20.763	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	317546	21.778	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.718	75	36401	16.335	ug/l	90
82) 4-Chlorotoluene	13.200	91	286168	20.772	ug/l	96
83) tert-Butylbenzene	13.418	119	269275	22.112	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	318879	21.415	ug/l	96
85) sec-Butylbenzene	13.594	105	399890	21.800	ug/l	98
86) p-Isopropyltoluene	13.706	119	330968	22.514	ug/l	96
87) 1,3-Dichlorobenzene	13.712	146	164685	18.907	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	172838	18.579	ug/l	96
89) n-Butylbenzene	14.035	91	331861	23.642	ug/l	99
90) Hexachloroethane	14.312	117	60565	19.445	ug/l	94
91) 1,2-Dichlorobenzene	14.088	146	159900	19.377	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	30887	18.270	ug/l	96
93) 1,2,4-Trichlorobenzene	15.364	180	98215	20.262	ug/l	98
94) Hexachlorobutadiene	15.476	225	40380	22.420	ug/l	96
95) Naphthalene	15.617	128	352249	20.513	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	95710	19.684	ug/l	97

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

