

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087957.D
 Acq On : 25 Sep 2025 16:07
 Operator : JC\MD
 Sample : Q3179-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EME-TS14-01MS

Quant Time: Sep 26 07:33:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	218032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	405927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	395864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	190808	52.001	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.000%			
35) Dibromofluoromethane	8.153	113	145717	49.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.880%			
50) Toluene-d8	10.547	98	518478	50.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	12.829	95	189005	51.018	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.040%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	135112	53.510	ug/l	100
3) Chloromethane	2.383	50	141905	54.887	ug/l	100
4) Vinyl Chloride	2.536	62	146194	55.426	ug/l	100
5) Bromomethane	2.971	94	90218	55.172	ug/l	98
6) Chloroethane	3.136	64	95351	55.598	ug/l	90
7) Trichlorofluoromethane	3.506	101	238088	55.440	ug/l	97
8) Diethyl Ether	3.959	74	92670	57.118	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.359	101	125231	55.173	ug/l	96
10) Methyl Iodide	4.577	142	118680	58.096	ug/l	95
11) Tert butyl alcohol	5.524	59	158968	300.787	ug/l	99
12) 1,1-Dichloroethene	4.330	96	127759	55.784	ug/l	98
13) Acrolein	4.177	56	169276	249.622	ug/l	95
14) Allyl chloride	5.012	41	203713	54.636	ug/l	95
15) Acrylonitrile	5.712	53	494652	298.379	ug/l	98
16) Acetone	4.424	43	456769	302.553	ug/l	99
17) Carbon Disulfide	4.706	76	375847	52.524	ug/l #	95
18) Methyl Acetate	5.018	43	260144	68.853	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	528075	59.025	ug/l	99
20) Methylene Chloride	5.265	84	199904	65.417	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	149114	53.110	ug/l	92
22) Diisopropyl ether	6.659	45	519226	59.653	ug/l	94
23) Vinyl Acetate	6.589	43	1259743	171.890	ug/l	99
24) 1,1-Dichloroethane	6.553	63	293244	57.666	ug/l	97
25) 2-Butanone	7.471	43	703968	305.073	ug/l	98
26) 2,2-Dichloropropane	7.477	77	240989	53.339	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	192285	57.559	ug/l	98
28) Bromochloromethane	7.800	49	133727	48.401	ug/l	97
29) Tetrahydrofuran	7.824	42	445191	301.303	ug/l	99
30) Chloroform	7.947	83	323877	58.249	ug/l	98
31) Cyclohexane	8.241	56	224406	54.539	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	271385	57.763	ug/l	97
36) 1,1-Dichloropropene	8.353	75	199115	56.185	ug/l	100
37) Ethyl Acetate	7.547	43	264460	56.828	ug/l	100
38) Carbon Tetrachloride	8.341	117	228618	56.218	ug/l	97
39) Methylcyclohexane	9.582	83	222889	57.012	ug/l	99
40) Benzene	8.588	78	665226	56.692	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	144793	60.205	ug/l	98
42) 1,2-Dichloroethane	8.653	62	247018	56.411	ug/l	100
43) Isopropyl Acetate	8.677	43	434820	59.359	ug/l	99
44) Trichloroethene	9.335	130	153443	54.745	ug/l	94
45) 1,2-Dichloropropane	9.606	63	168128	57.141	ug/l	99
46) Dibromomethane	9.688	93	135081	58.181	ug/l	96
47) Bromodichloromethane	9.871	83	262624	57.672	ug/l	96
48) Methyl methacrylate	9.665	41	198617	58.550	ug/l	97
49) 1,4-Dioxane	9.682	88	62408	1245.312	ug/l	94
51) 4-Methyl-2-Pentanone	10.429	43	1403493	307.046	ug/l	99
52) Toluene	10.612	92	419478	56.968	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	269120	57.744	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	273850	56.574	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	174056	58.135	ug/l	96
56) Ethyl methacrylate	10.853	69	259922	60.081	ug/l	98
57) 1,3-Dichloropropane	11.141	76	289283	58.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	619221	304.423	ug/l	98
59) 2-Hexanone	11.176	43	983628	325.445	ug/l	99
60) Dibromochloromethane	11.341	129	205916	58.495	ug/l	98
61) 1,2-Dibromoethane	11.447	107	181512	57.267	ug/l	99
64) Tetrachloroethene	11.082	164	144313	59.847	ug/l	95
65) Chlorobenzene	11.871	112	465456	55.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	173547	57.127	ug/l	97
67) Ethyl Benzene	11.941	91	799376	56.867	ug/l	100
68) m/p-Xylenes	12.047	106	629602	117.112	ug/l	98
69) o-Xylene	12.376	106	297085	57.518	ug/l	99
70) Styrene	12.388	104	531182	59.880	ug/l	99
71) Bromoform	12.559	173	141537	57.425	ug/l #	100
73) Isopropylbenzene	12.676	105	770089	56.149	ug/l	98
74) N-amyl acetate	12.500	43	221206m	48.950	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	271942	55.031	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	219449m	50.308	ug/l	
77) Bromobenzene	12.959	156	195283	53.515	ug/l	100
78) n-propylbenzene	13.012	91	940516	54.849	ug/l	99
79) 2-Chlorotoluene	13.106	91	563789	53.998	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	666576	56.189	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	87145	55.474	ug/l	96
82) 4-Chlorotoluene	13.200	91	596499	56.698	ug/l	100
83) tert-Butylbenzene	13.418	119	556556	55.427	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	688225	56.560	ug/l	100
85) sec-Butylbenzene	13.594	105	819809	55.687	ug/l	97
86) p-Isopropyltoluene	13.706	119	692512	55.540	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	385722	54.166	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	395625	54.060	ug/l	99
89) n-Butylbenzene	14.035	91	645871	54.811	ug/l	99
90) Hexachloroethane	14.312	117	139501	53.561	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	374847	54.610	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	58587	51.025	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	220275	54.352	ug/l	99
94) Hexachlorobutadiene	15.476	225	81592	54.698	ug/l	99
95) Naphthalene	15.611	128	747760	57.479	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	220406	55.941	ug/l	99

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

