

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087958.D
 Acq On : 25 Sep 2025 16:28
 Operator : JC\MD
 Sample : Q3179-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EME-TS14-01MSD

Quant Time: Sep 26 07:34:27 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	240403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	461373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	428179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	236701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	197860	48.905	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	8.147	113	151624	45.263	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.520%		
50) Toluene-d8	10.547	98	524034	44.485	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.960%		
62) 4-Bromofluorobenzene	12.829	95	188664	44.806	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	147132	52.848	ug/l	96
3) Chloromethane	2.383	50	148155	51.972	ug/l	100
4) Vinyl Chloride	2.536	62	152514	52.441	ug/l	93
5) Bromomethane	2.965	94	104816	58.135	ug/l	91
6) Chloroethane	3.136	64	103494	54.730	ug/l	95
7) Trichlorofluoromethane	3.506	101	250193	52.837	ug/l	98
8) Diethyl Ether	3.965	74	98569	55.100	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	133660	53.406	ug/l	99
10) Methyl Iodide	4.577	142	138126	61.323	ug/l	98
11) Tert butyl alcohol	5.536	59	168784	289.641	ug/l	100
12) 1,1-Dichloroethene	4.336	96	132845	52.607	ug/l	91
13) Acrolein	4.177	56	190324	254.543	ug/l	97
14) Allyl chloride	5.012	41	220837	53.717	ug/l	98
15) Acrylonitrile	5.712	53	508346	278.104	ug/l	99
16) Acetone	4.424	43	466699	280.364	ug/l	98
17) Carbon Disulfide	4.706	76	392344	49.727	ug/l	97
18) Methyl Acetate	5.018	43	278165	66.772	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	551742	55.932	ug/l	100
20) Methylene Chloride	5.265	84	208332	61.831	ug/l	92
21) trans-1,2-Dichloroethene	5.771	96	159031	51.371	ug/l	87
22) Diisopropyl ether	6.665	45	528750	55.094	ug/l	94
23) Vinyl Acetate	6.594	43	1227973	151.963	ug/l	99
24) 1,1-Dichloroethane	6.553	63	301533	53.778	ug/l	98
25) 2-Butanone	7.471	43	722647	284.026	ug/l	99
26) 2,2-Dichloropropane	7.477	77	239501	48.077	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	199310	54.110	ug/l	99
28) Bromochloromethane	7.794	49	134231	44.063	ug/l	99
29) Tetrahydrofuran	7.824	42	473167	290.437	ug/l	99
30) Chloroform	7.947	83	332102	54.170	ug/l	98
31) Cyclohexane	8.241	56	226084	49.833	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	277241	53.518	ug/l	98
36) 1,1-Dichloropropene	8.353	75	204718	50.824	ug/l	99
37) Ethyl Acetate	7.547	43	267644	50.600	ug/l	99
38) Carbon Tetrachloride	8.341	117	236293	51.123	ug/l	98
39) Methylcyclohexane	9.582	83	221056	49.748	ug/l	93
40) Benzene	8.588	78	689039	51.664	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	149440	54.670	ug/l	99
42) 1,2-Dichloroethane	8.653	62	253749	50.984	ug/l	99
43) Isopropyl Acetate	8.677	43	438524	52.670	ug/l	99
44) Trichloroethene	9.335	130	160105	50.257	ug/l	99
45) 1,2-Dichloropropane	9.600	63	171474	51.274	ug/l	96
46) Dibromomethane	9.688	93	135472	51.337	ug/l	97
47) Bromodichloromethane	9.871	83	269991	52.164	ug/l	95
48) Methyl methacrylate	9.665	41	209285	54.280	ug/l	98
49) 1,4-Dioxane	9.682	88	64397	1130.575	ug/l #	85
51) 4-Methyl-2-Pentanone	10.424	43	1435007	276.213	ug/l	100
52) Toluene	10.606	92	430816	51.476	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	272080	51.363	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	287341	52.227	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	177981	52.302	ug/l	95
56) Ethyl methacrylate	10.859	69	268097	54.524	ug/l	99
57) 1,3-Dichloropropane	11.141	76	294501	52.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	759725	328.612	ug/l	99
59) 2-Hexanone	11.176	43	999743	291.025	ug/l	99
60) Dibromochloromethane	11.335	129	215266	53.803	ug/l	98
61) 1,2-Dibromoethane	11.447	107	186230	51.695	ug/l	98
64) Tetrachloroethene	11.082	164	150814	57.822	ug/l	98
65) Chlorobenzene	11.870	112	482657	52.970	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	176109	53.595	ug/l	100
67) Ethyl Benzene	11.941	91	824870	54.252	ug/l	100
68) m/p-Xylenes	12.047	106	649282	111.658	ug/l	99
69) o-Xylene	12.376	106	310537	55.585	ug/l	99
70) Styrene	12.388	104	546817	56.990	ug/l	99
71) Bromoform	12.559	173	148815	55.822	ug/l #	97
73) Isopropylbenzene	12.676	105	792388	54.014	ug/l	100
74) N-amyl acetate	12.500	43	237322m	49.098	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	284539	53.832	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	222912m	47.775	ug/l	
77) Bromobenzene	12.959	156	205015	52.524	ug/l	99
78) n-propylbenzene	13.012	91	977906	53.317	ug/l	100
79) 2-Chlorotoluene	13.100	91	582052	52.118	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	689521	54.339	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	91536	54.476	ug/l	95
82) 4-Chlorotoluene	13.200	91	605342	53.793	ug/l	98
83) tert-Butylbenzene	13.417	119	577889	53.805	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	705179	54.180	ug/l	99
85) sec-Butylbenzene	13.594	105	845071	53.666	ug/l	99
86) p-Isopropyltoluene	13.706	119	721619	54.107	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	404134	53.058	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	403857	51.593	ug/l	99
89) n-Butylbenzene	14.035	91	663428	52.636	ug/l	100
90) Hexachloroethane	14.311	117	146900	52.730	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	389369	53.033	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	61435	50.022	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	224324	51.748	ug/l	100
94) Hexachlorobutadiene	15.470	225	84215	52.782	ug/l	99
95) Naphthalene	15.611	128	776581	55.808	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	223486	53.030	ug/l	98

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

