

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087570.D
 Acq On : 14 Aug 2025 16:49
 Operator : JC\MD
 Sample : Q2842-05MSD 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-17B-55.5-081225MSD

Quant Time: Aug 14 20:00:15 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 08/15/2025
 Supervised By : Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	251785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	498703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	460182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	240017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	233131	54.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.140%			
35) Dibromofluoromethane	8.153	113	160785	46.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.480%			
50) Toluene-d8	10.547	98	591485	48.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.829	95	228797	50.467	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	160380	59.972	ug/l	95
3) Chloromethane	2.383	50	164845	49.018	ug/l	95
4) Vinyl Chloride	2.542	62	181197	54.217	ug/l	94
5) Bromomethane	2.971	94	111058	64.170	ug/l	100
6) Chloroethane	3.130	64	124775	57.248	ug/l	97
7) Trichlorofluoromethane	3.506	101	269630	54.560	ug/l	92
8) Diethyl Ether	3.965	74	116948	61.006	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	146884	57.900	ug/l	97
10) Methyl Iodide	4.583	142	119433	46.239	ug/l	95
11) Tert butyl alcohol	5.536	59	241582	297.805	ug/l	99
12) 1,1-Dichloroethene	4.342	96	151233	52.607	ug/l	98
13) Acrolein	4.177	56	121388	186.460	ug/l	99
14) Allyl chloride	5.018	41	274012	52.668	ug/l	93
15) Acrylonitrile	5.706	53	596577	271.011	ug/l	97
16) Acetone	4.424	43	565138	282.126	ug/l	97
17) Carbon Disulfide	4.700	76	383063	44.945	ug/l	97
18) Methyl Acetate	5.024	43	323417	64.264	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	630203	59.475	ug/l	96
20) Methylene Chloride	5.265	84	180635	53.387	ug/l #	89
21) trans-1,2-Dichloroethene	5.777	96	165046	50.918	ug/l	96
22) Diisopropyl ether	6.665	45	653071	59.843	ug/l	98
23) Vinyl Acetate	6.594	43	2963851	310.532	ug/l	99
24) 1,1-Dichloroethane	6.559	63	337459	53.599	ug/l	99
25) 2-Butanone	7.477	43	880575	284.512	ug/l	97
26) 2,2-Dichloropropane	7.477	77	251846	51.450	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	296951	79.572	ug/l	98
28) Bromochloromethane	7.794	49	161291	53.528	ug/l	92
29) Tetrahydrofuran	7.830	42	579208	288.074	ug/l	99
30) Chloroform	7.953	83	365342	57.974	ug/l	98
31) Cyclohexane	8.241	56	269452	51.302	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	301283	55.199	ug/l	97
36) 1,1-Dichloropropene	8.359	75	232570	51.172	ug/l	98
37) Ethyl Acetate	7.547	43	344525	52.488	ug/l	98
38) Carbon Tetrachloride	8.347	117	240818	48.100	ug/l	96
39) Methylcyclohexane	9.582	83	251368	51.086	ug/l	95
40) Benzene	8.588	78	748859	50.980	ug/l	96

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41) Methacrylonitrile	7.765	41	188160	54.823	ug/l	97
42) 1,2-Dichloroethane	8.659	62	295609	53.067	ug/l	97
43) Isopropyl Acetate	8.677	43	557773	54.740	ug/l	99
44) Trichloroethene	9.335	130	330475	95.214	ug/l	96
45) 1,2-Dichloropropane	9.606	63	191212	51.231	ug/l	98
46) Dibromomethane	9.694	93	141089	50.488	ug/l	95
47) Bromodichloromethane	9.871	83	288056	51.174	ug/l	98
48) Methyl methacrylate	9.665	41	268246	58.477	ug/l	94
49) 1,4-Dioxane	9.682	88	74858	1065.478	ug/l #	100
51) 4-Methyl-2-Pentanone	10.429	43	1774583	275.360	ug/l	97
52) Toluene	10.612	92	460377	51.563	ug/l	96
53) t-1,3-Dichloropropene	10.818	75	308221	54.105	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	308333	52.399	ug/l #	87
55) 1,1,2-Trichloroethane	11.000	97	190288	52.643	ug/l	92
56) Ethyl methacrylate	10.859	69	326690	53.587	ug/l #	95
57) 1,3-Dichloropropane	11.147	76	329546	52.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	412625	139.157	ug/l	99
59) 2-Hexanone	11.182	43	1237547	289.435	ug/l	98
60) Dibromochloromethane	11.341	129	205718	49.903	ug/l	98
61) 1,2-Dibromoethane	11.447	107	193708	50.967	ug/l	98
64) Tetrachloroethene	11.082	164	127664	43.104	ug/l	94
65) Chlorobenzene	11.871	112	500916	48.485	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	176284	50.180	ug/l	99
67) Ethyl Benzene	11.941	91	898707	52.840	ug/l	99
68) m/p-Xylenes	12.053	106	662341	103.996	ug/l	93
69) o-Xylene	12.376	106	328068	53.926	ug/l	96
70) Styrene	12.394	104	567805	55.481	ug/l	98
71) Bromoform	12.559	173	133281	46.961	ug/l #	95
73) Isopropylbenzene	12.676	105	839673	55.585	ug/l	99
74) N-amyl acetate	12.500	43	234757	37.404	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.918	83	304955	53.650	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	297389m	55.254	ug/l	
77) Bromobenzene	12.959	156	197712	50.466	ug/l	94
78) n-propylbenzene	13.018	91	1061543	55.853	ug/l	98
79) 2-Chlorotoluene	13.106	91	637513	54.578	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	725164	56.342	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.718	75	93157	47.359	ug/l	94
82) 4-Chlorotoluene	13.200	91	661408	54.387	ug/l	97
83) tert-Butylbenzene	13.418	119	601617	55.966	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	747848	56.897	ug/l	96
85) sec-Butylbenzene	13.594	105	905664	55.933	ug/l	98
86) p-Isopropyltoluene	13.706	119	748208	57.660	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	393523	51.181	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	395731	48.189	ug/l	98
89) n-Butylbenzene	14.035	91	730169	58.929	ug/l	98
90) Hexachloroethane	14.312	117	136983	49.824	ug/l	91
91) 1,2-Dichlorobenzene	14.088	146	372655	51.160	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	74799	50.121	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	220758	51.594	ug/l	98
94) Hexachlorobutadiene	15.476	225	77907	49.002	ug/l	98
95) Naphthalene	15.617	128	847533	55.913	ug/l	100
96) 1,2,3-Trichlorobenzene	15.817	180	217612	50.701	ug/l	98

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

