

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087679.D
 Acq On : 28 Aug 2025 12:50
 Operator : JC\MD
 Sample : VN0828WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/29/2025
 Supervised By : Semsettin Yesilyurt 08/29/2025

Quant Time: Aug 29 03:16:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	201986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	408675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	385379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	202847	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	221081	53.421	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.840%	
35) Dibromofluoromethane	8.147	113	150672	51.064	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.120%	
50) Toluene-d8	10.547	98	534236	48.375	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.740%	
62) 4-Bromofluorobenzene	12.829	95	196094	49.929	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.860%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.142	85	55920	19.493	ug/l 99
3) Chloromethane	2.383	50	56702	19.233	ug/l 96
4) Vinyl Chloride	2.536	62	63973	18.715	ug/l 99
5) Bromomethane	2.977	94	34507	19.564	ug/l 99
6) Chloroethane	3.142	64	45414	18.903	ug/l 96
7) Trichlorofluoromethane	3.512	101	95301	19.029	ug/l 92
8) Diethyl Ether	3.959	74	37824	17.342	ug/l 92
9) 1,1,2-Trichlorotrifluo...	4.365	101	55794	19.689	ug/l 95
10) Methyl Iodide	4.571	142	27536	18.042	ug/l # 92
11) Tert butyl alcohol	5.518	59	66113	92.021	ug/l 98
12) 1,1-Dichloroethene	4.330	96	53102	18.235	ug/l 90
13) Acrolein	4.177	56	71906	81.411	ug/l 99
14) Allyl chloride	5.018	41	87055	16.496	ug/l 99
15) Acrylonitrile	5.712	53	180843	89.252	ug/l 99
16) Acetone	4.424	43	193722	85.990	ug/l 99
17) Carbon Disulfide	4.706	76	134814	16.816	ug/l 96
18) Methyl Acetate	5.024	43	93132	19.744	ug/l 100
19) Methyl tert-butyl Ether	5.789	73	190584	17.445	ug/l 97
20) Methylene Chloride	5.265	84	59304	17.390	ug/l 98
21) trans-1,2-Dichloroethene	5.777	96	52855	16.747	ug/l 86
22) Diisopropyl ether	6.653	45	202577	17.788	ug/l 94
23) Vinyl Acetate	6.589	43	919507	88.748	ug/l 97
24) 1,1-Dichloroethane	6.559	63	110462	17.691	ug/l 99
25) 2-Butanone	7.471	43	262362	88.519	ug/l 97
26) 2,2-Dichloropropane	7.477	77	97212	18.140	ug/l 98
27) cis-1,2-Dichloroethene	7.465	96	67429	17.871	ug/l 97
28) Bromochloromethane	7.794	49	57737	19.127	ug/l 96
29) Tetrahydrofuran	7.830	42	171509	89.916	ug/l 96
30) Chloroform	7.953	83	115503	18.123	ug/l 90
31) Cyclohexane	8.236	56	94955	18.242	ug/l 96
32) 1,1,1-Trichloroethane	8.147	97	95419	17.666	ug/l 97
36) 1,1-Dichloropropene	8.353	75	74271	16.408	ug/l 99
37) Ethyl Acetate	7.547	43	100483	16.245	ug/l 100
38) Carbon Tetrachloride	8.341	117	81078	18.141	ug/l 89
39) Methylcyclohexane	9.583	83	80495	16.152	ug/l 91
40) Benzene	8.583	78	240604	17.330	ug/l 99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	54106	16.886	ug/l	97
42) 1,2-Dichloroethane	8.653	62	91740	17.195	ug/l	98
43) Isopropyl Acetate	8.677	43	168013	17.398	ug/l	98
44) Trichloroethene	9.336	130	55385	17.473	ug/l	94
45) 1,2-Dichloropropane	9.600	63	63839	17.444	ug/l	90
46) Dibromomethane	9.683	93	46241	17.756	ug/l	97
47) Bromodichloromethane	9.865	83	95359	17.866	ug/l #	91
48) Methyl methacrylate	9.659	41	75364	16.498	ug/l	98
49) 1,4-Dioxane	9.677	88	23294	393.435	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	526009	90.277	ug/l	99
52) Toluene	10.612	92	148967	17.307	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	98864	17.895	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	101355	17.669	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	59745	17.943	ug/l	93
56) Ethyl methacrylate	10.853	69	88739	16.677	ug/l	96
57) 1,3-Dichloropropane	11.141	76	106853	18.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	262365	91.096	ug/l	99
59) 2-Hexanone	11.177	43	339943	92.315	ug/l	99
60) Dibromochloromethane	11.335	129	65239	16.910	ug/l	100
61) 1,2-Dibromoethane	11.453	107	62803	17.888	ug/l	98
64) Tetrachloroethene	11.082	164	42046	15.726	ug/l	88
65) Chlorobenzene	11.871	112	164859	17.195	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	56478	17.744	ug/l	99
67) Ethyl Benzene	11.941	91	277890	16.740	ug/l	99
68) m/p-Xylenes	12.047	106	209265	34.373	ug/l	99
69) o-Xylene	12.377	106	99262	16.637	ug/l	98
70) Styrene	12.388	104	170843	17.092	ug/l	99
71) Bromoform	12.553	173	41150	16.857	ug/l #	100
73) Isopropylbenzene	12.671	105	255576	15.592	ug/l	99
74) N-amyl acetate	12.559	43	104465m	16.817	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	95378	16.901	ug/l	99
76) 1,2,3-Trichloropropane	12.971	75	88902m	18.689	ug/l	
77) Bromobenzene	12.959	156	60374	15.622	ug/l	94
78) n-propylbenzene	13.012	91	322643	15.980	ug/l	99
79) 2-Chlorotoluene	13.100	91	196248	16.152	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	221775	15.949	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.712	75	26648	14.831	ug/l	92
82) 4-Chlorotoluene	13.200	91	208693	16.337	ug/l	99
83) tert-Butylbenzene	13.418	119	189117	16.321	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	225943	16.232	ug/l	99
85) sec-Butylbenzene	13.594	105	275879	16.044	ug/l	100
86) p-Isopropyltoluene	13.706	119	232809	16.396	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	123239	16.192	ug/l	96
88) 1,4-Dichlorobenzene	13.788	146	123833	15.635	ug/l	98
89) n-Butylbenzene	14.035	91	226833	16.085	ug/l	99
90) Hexachloroethane	14.306	117	46197	17.077	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	117635	16.292	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	21386	15.953	ug/l	99
93) 1,2,4-Trichlorobenzene	15.365	180	68857	15.881	ug/l	99
94) Hexachlorobutadiene	15.470	225	25120	16.251	ug/l	98
95) Naphthalene	15.612	128	233614	15.212	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	66423	15.670	ug/l	100

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

