

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087210.D
 Acq On : 27 Jun 2025 10:53
 Operator : JC\MD
 Sample : VN0627WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/30/2025
 Supervised By :Semsettin Yesilyurt 06/30/2025

Quant Time: Jun 27 23:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	176379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	277531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129924	51.186	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.380%			
35) Dibromofluoromethane	8.165	113	87089	48.537	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.080%			
50) Toluene-d8	10.565	98	359431	48.435	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.860%			
62) 4-Bromofluorobenzene	12.847	95	131062	50.898	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	40401	18.279	ug/l	97
3) Chloromethane	2.395	50	41736	19.339	ug/l	99
4) Vinyl Chloride	2.554	62	45207	19.385	ug/l	99
5) Bromomethane	3.001	94	22155	17.702	ug/l	96
6) Chloroethane	3.159	64	20260	16.626	ug/l	100
7) Trichlorofluoromethane	3.530	101	48072	17.311	ug/l	99
8) Diethyl Ether	3.989	74	24750	20.036	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.389	101	37879	17.451	ug/l	98
10) Methyl Iodide	4.618	142	28846	16.685	ug/l	97
11) Tert butyl alcohol	5.536	59	50773	90.785	ug/l	98
12) 1,1-Dichloroethene	4.371	96	37973	18.353	ug/l	100
13) Acrolein	4.206	56	50841	110.255	ug/l	99
14) Allyl chloride	5.053	41	64921	18.868	ug/l	95
15) Acrylonitrile	5.736	53	140762	90.580	ug/l	99
16) Acetone	4.442	43	113442	86.027	ug/l	98
17) Carbon Disulfide	4.742	76	107240	16.102	ug/l	100
18) Methyl Acetate	5.042	43	57978	18.299	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	133058	18.671	ug/l	100
20) Methylene Chloride	5.301	84	42170	17.809	ug/l	93
21) trans-1,2-Dichloroethene	5.806	96	41616	18.136	ug/l	99
22) Diisopropyl ether	6.677	45	125485	17.031	ug/l	96
23) Vinyl Acetate	6.612	43	576062	87.429	ug/l	100
24) 1,1-Dichloroethane	6.583	63	75051	17.246	ug/l	99
25) 2-Butanone	7.494	43	174955	90.914	ug/l	98
26) 2,2-Dichloropropane	7.494	77	63700	18.415	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	45630	17.102	ug/l	99
28) Bromochloromethane	7.818	49	40129	20.977	ug/l	99
29) Tetrahydrofuran	7.847	42	120854	95.785	ug/l	97
30) Chloroform	7.971	83	74270	18.093	ug/l	98
31) Cyclohexane	8.265	56	78165	19.891	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	57118	16.196	ug/l	99
36) 1,1-Dichloropropene	8.371	75	56912	21.655	ug/l	99
37) Ethyl Acetate	7.565	43	73302	20.289	ug/l	99
38) Carbon Tetrachloride	8.371	117	54795	21.408	ug/l	97
39) Methylcyclohexane	9.606	83	65847	20.535	ug/l	97
40) Benzene	8.612	78	178090	21.931	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	38055	22.124	ug/l	100
42) 1,2-Dichloroethane	8.671	62	57520	21.789	ug/l	99
43) Isopropyl Acetate	8.694	43	111783	23.136	ug/l	99
44) Trichloroethene	9.353	130	41825	21.512	ug/l	99
45) 1,2-Dichloropropane	9.624	63	43514	20.789	ug/l	100
46) Dibromomethane	9.712	93	29227	20.605	ug/l	96
47) Bromodichloromethane	9.888	83	55279	19.404	ug/l	97
48) Methyl methacrylate	9.683	41	50189	21.485	ug/l	98
49) 1,4-Dioxane	9.700	88	14086	352.762	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	332379	93.208	ug/l	100
52) Toluene	10.630	92	96088	18.509	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	60838	19.153	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	65561	19.398	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	35678	18.172	ug/l	98
56) Ethyl methacrylate	10.882	69	56615	16.678	ug/l	96
57) 1,3-Dichloropropane	11.159	76	63597	18.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	189220	103.629	ug/l	100
59) 2-Hexanone	11.206	43	165430	76.962	ug/l	95
60) Dibromochloromethane	11.359	129	36879	17.272	ug/l	100
61) 1,2-Dibromoethane	11.471	107	35831	17.265	ug/l	96
64) Tetrachloroethene	11.100	164	29331	18.867	ug/l	96
65) Chlorobenzene	11.888	112	107023	18.996	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	32683	18.161	ug/l	100
67) Ethyl Benzene	11.959	91	177048	18.842	ug/l	97
68) m/p-Xylenes	12.065	106	138041	38.395	ug/l	100
69) o-Xylene	12.394	106	65286	19.975	ug/l	100
70) Styrene	12.406	104	110803	19.752	ug/l	99
71) Bromoform	12.576	173	26201	19.618	ug/l #	99
73) Isopropylbenzene	12.688	105	172494	19.997	ug/l	99
74) N-amyl acetate	12.553	43	65201m	20.314	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	58716	18.899	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	54898m	19.311	ug/l	
77) Bromobenzene	12.976	156	39849	19.009	ug/l	99
78) n-propylbenzene	13.029	91	203077	19.114	ug/l	99
79) 2-Chlorotoluene	13.124	91	124697	18.854	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	142481	20.009	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	22171	17.503	ug/l #	90
82) 4-Chlorotoluene	13.218	91	130845	19.845	ug/l	98
83) tert-Butylbenzene	13.435	119	119843	19.593	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	139230	19.269	ug/l	100
85) sec-Butylbenzene	13.612	105	174148	19.325	ug/l	99
86) p-Isopropyltoluene	13.723	119	141473	19.141	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	75821	17.973	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	78379	18.071	ug/l	98
89) n-Butylbenzene	14.053	91	138923	20.230	ug/l	99
90) Hexachloroethane	14.329	117	27474	19.208	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	74893	18.850	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	13750	19.388	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	42662	19.288	ug/l	98
94) Hexachlorobutadiene	15.494	225	14132	20.254	ug/l	98
95) Naphthalene	15.635	128	167050	19.908	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	42697	19.551	ug/l	99

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

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