

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087125.D
 Acq On : 20 Jun 2025 10:06
 Operator : JC\MD
 Sample : VN0620WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 23:00:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	175525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	309350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	111494	47.443	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.880%		
35) Dibromofluoromethane	8.171	113	96700	52.747	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.500%		
50) Toluene-d8	10.565	98	355225	48.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.900%		
62) 4-Bromofluorobenzene	12.847	95	136582	50.654	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.159	85	30859	17.633	ug/l	100
3) Chloromethane	2.395	50	34603	15.312	ug/l	95
4) Vinyl Chloride	2.553	62	42994	18.443	ug/l	99
5) Bromomethane	3.000	94	25149	19.277	ug/l	97
6) Chloroethane	3.159	64	27956	18.565	ug/l	100
7) Trichlorofluoromethane	3.536	101	55203	18.124	ug/l	100
8) Diethyl Ether	3.983	74	23264	17.530	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.406	101	35934	18.778	ug/l	98
10) Methyl Iodide	4.612	142	24782	9.990	ug/l #	97
11) Tert butyl alcohol	5.524	59	45018	70.597	ug/l	100
12) 1,1-Dichloroethene	4.371	96	35917	18.385	ug/l	97
13) Acrolein	4.200	56	21752	107.765	ug/l	100
14) Allyl chloride	5.047	41	51986	16.045	ug/l	95
15) Acrylonitrile	5.736	53	118578	79.558	ug/l	100
16) Acetone	4.441	43	92348	74.100	ug/l	95
17) Carbon Disulfide	4.741	76	101940	18.864	ug/l	97
18) Methyl Acetate	5.047	43	50085	13.791	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	121025	17.109	ug/l	100
20) Methylene Chloride	5.300	84	40748	17.464	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	37858	17.417	ug/l	98
22) Diisopropyl ether	6.683	45	112953	16.539	ug/l	95
23) Vinyl Acetate	6.618	43	484866	84.028	ug/l	98
24) 1,1-Dichloroethane	6.583	63	70548	17.950	ug/l	99
25) 2-Butanone	7.494	43	148626	73.368	ug/l	93
26) 2,2-Dichloropropane	7.500	77	61766	20.203	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	46293	17.808	ug/l	99
28) Bromochloromethane	7.818	49	29768	15.404	ug/l	93
29) Tetrahydrofuran	7.847	42	99229	75.194	ug/l	96
30) Chloroform	7.971	83	68661	17.493	ug/l	99
31) Cyclohexane	8.265	56	60904	15.979	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	59190	17.730	ug/l	95
36) 1,1-Dichloropropene	8.377	75	50676	18.551	ug/l	99
37) Ethyl Acetate	7.565	43	58289	16.762	ug/l	99
38) Carbon Tetrachloride	8.371	117	50681	18.897	ug/l	97
39) Methylcyclohexane	9.606	83	57910	15.473	ug/l	98
40) Benzene	8.612	78	162046	18.140	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	30884	15.813	ug/l	95
42) 1,2-Dichloroethane	8.671	62	48988	18.080	ug/l	99
43) Isopropyl Acetate	8.688	43	89202	15.982	ug/l	96
44) Trichloroethene	9.359	130	39731	18.757	ug/l	92
45) 1,2-Dichloropropane	9.623	63	39587	18.215	ug/l	99
46) Dibromomethane	9.706	93	27680	19.175	ug/l	97
47) Bromodichloromethane	9.888	83	54153	18.233	ug/l	100
48) Methyl methacrylate	9.682	41	39652	15.435	ug/l	93
49) 1,4-Dioxane	9.706	88	14722	315.010	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	274071	81.566	ug/l	99
52) Toluene	10.629	92	100814	18.467	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	60478	18.211	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	65112	18.324	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	39117	18.622	ug/l	98
56) Ethyl methacrylate	10.882	69	56904	17.008	ug/l	96
57) 1,3-Dichloropropane	11.159	76	66495	18.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	186921	93.668	ug/l	98
59) 2-Hexanone	11.206	43	155665	71.922	ug/l	97
60) Dibromochloromethane	11.359	129	41541	18.981	ug/l	100
61) 1,2-Dibromoethane	11.470	107	38593	17.925	ug/l	100
64) Tetrachloroethene	11.106	164	31373	17.938	ug/l	95
65) Chlorobenzene	11.888	112	111752	18.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	36027	18.388	ug/l	98
67) Ethyl Benzene	11.965	91	182457	17.379	ug/l	99
68) m/p-Xylenes	12.070	106	145543	36.215	ug/l	98
69) o-Xylene	12.394	106	69256	17.993	ug/l	96
70) Styrene	12.412	104	118347	17.968	ug/l	99
71) Bromoform	12.576	173	27315	18.816	ug/l #	99
73) Isopropylbenzene	12.694	105	174431	17.129	ug/l	100
74) N-amyl acetate	12.535	43	57304m	16.103	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	60134	17.430	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	57810m	17.398	ug/l	
77) Bromobenzene	12.976	156	41900	17.941	ug/l	97
78) n-propylbenzene	13.029	91	205013	16.566	ug/l	99
79) 2-Chlorotoluene	13.123	91	123820	16.683	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	143011	17.009	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	23961	16.600	ug/l #	90
82) 4-Chlorotoluene	13.217	91	129411	17.233	ug/l	99
83) tert-Butylbenzene	13.435	119	120615	15.672	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	142065	16.850	ug/l	100
85) sec-Butylbenzene	13.611	105	172448	15.429	ug/l	99
86) p-Isopropyltoluene	13.723	119	144541	15.645	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	82764	18.012	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	83417	17.806	ug/l	98
89) n-Butylbenzene	14.053	91	127349	14.231	ug/l	100
90) Hexachloroethane	14.329	117	26252	16.763	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	77812	17.626	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12270	14.871	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	42639	15.126	ug/l	99
94) Hexachlorobutadiene	15.494	225	11909	11.339	ug/l	98
95) Naphthalene	15.635	128	159170	15.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	41264	14.733	ug/l	99

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

