

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087556.D
 Acq On : 14 Aug 2025 11:41
 Operator : JC\MD
 Sample : VN0814WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 14 15:23:56 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

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	252284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	487917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	437708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	246699	57.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.260%			
35) Dibromofluoromethane	8.153	113	166955	49.606	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.220%			
50) Toluene-d8	10.547	98	596696	49.701	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.400%			
62) 4-Bromofluorobenzene	12.829	95	220136	49.630	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.148	85	63905	23.849	ug/l	87
3) Chloromethane	2.383	50	65170	19.340	ug/l	96
4) Vinyl Chloride	2.536	62	73453	21.935	ug/l	99
5) Bromomethane	2.977	94	40866	23.566	ug/l	100
6) Chloroethane	3.136	64	49704	22.760	ug/l	100
7) Trichlorofluoromethane	3.512	101	108500	21.912	ug/l	98
8) Diethyl Ether	3.965	74	46948	24.442	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	58929	23.183	ug/l	96
10) Methyl Iodide	4.583	142	36002	17.848	ug/l #	83
11) Tert butyl alcohol	5.530	59	92884	114.274	ug/l	99
12) 1,1-Dichloroethene	4.342	96	57516	19.968	ug/l	87
13) Acrolein	4.171	56	56551	86.694	ug/l	95
14) Allyl chloride	5.006	41	106184	20.369	ug/l	91
15) Acrylonitrile	5.712	53	231861	105.121	ug/l	99
16) Acetone	4.424	43	227976	113.584	ug/l	98
17) Carbon Disulfide	4.700	76	157794	18.477	ug/l	95
18) Methyl Acetate	5.018	43	126314	25.049	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	248419	23.398	ug/l	99
20) Methylene Chloride	5.265	84	73034	21.156	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	64356	19.815	ug/l	94
22) Diisopropyl ether	6.665	45	253672	23.199	ug/l	99
23) Vinyl Acetate	6.594	43	1151450	120.402	ug/l	100
24) 1,1-Dichloroethane	6.553	63	134286	21.287	ug/l	97
25) 2-Butanone	7.471	43	336805	108.606	ug/l	95
26) 2,2-Dichloropropane	7.471	77	111133	22.659	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	76831	20.547	ug/l	92
28) Bromochloromethane	7.800	49	74199	24.576	ug/l	92
29) Tetrahydrofuran	7.830	42	222501	110.444	ug/l	97
30) Chloroform	7.947	83	140845	22.306	ug/l	94
31) Cyclohexane	8.241	56	116756	22.186	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	117425	21.471	ug/l	93
36) 1,1-Dichloropropene	8.353	75	90310	20.310	ug/l	99
37) Ethyl Acetate	7.553	43	134427	20.932	ug/l	97
38) Carbon Tetrachloride	8.347	117	94085	19.208	ug/l	94
39) Methylcyclohexane	9.582	83	104026	21.609	ug/l	98
40) Benzene	8.594	78	284206	19.776	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	72000	21.442	ug/l	97
42) 1,2-Dichloroethane	8.653	62	118504	21.744	ug/l	99
43) Isopropyl Acetate	8.677	43	212790	21.345	ug/l	99
44) Trichloroethene	9.335	130	64050	18.862	ug/l	86
45) 1,2-Dichloropropane	9.606	63	75055	20.554	ug/l	94
46) Dibromomethane	9.694	93	54931	20.091	ug/l	95
47) Bromodichloromethane	9.871	83	111413	20.231	ug/l	100
48) Methyl methacrylate	9.665	41	100409	22.373	ug/l	91
49) 1,4-Dioxane	9.682	88	29767	433.049	ug/l #	95
51) 4-Methyl-2-Pentanone	10.430	43	668260	105.985	ug/l	97
52) Toluene	10.612	92	175852	20.131	ug/l	94
53) t-1,3-Dichloropropene	10.818	75	119448	21.432	ug/l	98
54) cis-1,3-Dichloropropene	10.300	75	119589	20.772	ug/l	92
55) 1,1,2-Trichloroethane	11.000	97	74879	21.173	ug/l	96
56) Ethyl methacrylate	10.859	69	119671	20.895	ug/l	94
57) 1,3-Dichloropropane	11.147	76	127196	20.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	328347	113.182	ug/l	98
59) 2-Hexanone	11.182	43	436445	104.331	ug/l	99
60) Dibromochloromethane	11.341	129	78024	19.346	ug/l	98
61) 1,2-Dibromoethane	11.453	107	73686	19.816	ug/l	98
64) Tetrachloroethene	11.088	164	52129	18.504	ug/l	92
65) Chlorobenzene	11.871	112	187618	19.092	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	66734	19.971	ug/l	100
67) Ethyl Benzene	11.947	91	339806	21.005	ug/l	100
68) m/p-Xylenes	12.053	106	248525	41.025	ug/l	94
69) o-Xylene	12.376	106	121878	21.062	ug/l	93
70) Styrene	12.394	104	205687	21.130	ug/l	96
71) Bromoform	12.565	173	48581	17.996	ug/l #	100
73) Isopropylbenzene	12.676	105	319331	23.122	ug/l	96
74) N-amyl acetate	12.529	43	102993m	17.949	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	118317	22.768	ug/l	96
76) 1,2,3-Trichloropropane	12.970	75	101293m	20.586	ug/l	
77) Bromobenzene	12.965	156	72136	20.140	ug/l	90
78) n-propylbenzene	13.018	91	395792	22.778	ug/l	98
79) 2-Chlorotoluene	13.106	91	234478	21.957	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	268028	22.778	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.723	75	31620	17.583	ug/l	90
82) 4-Chlorotoluene	13.200	91	244155	21.960	ug/l	97
83) tert-Butylbenzene	13.418	119	238209	24.238	ug/l	99
84) 1,2,4-Trimethylbenzene	13.465	105	275667	22.941	ug/l	97
85) sec-Butylbenzene	13.594	105	347328	23.463	ug/l	98
86) p-Isopropyltoluene	13.712	119	277942	23.429	ug/l	97
87) 1,3-Dichlorobenzene	13.718	146	143695	20.442	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	146684	19.538	ug/l	96
89) n-Butylbenzene	14.035	91	284341	25.101	ug/l	97
90) Hexachloroethane	14.312	117	50252	19.992	ug/l	93
91) 1,2-Dichlorobenzene	14.088	146	139190	20.901	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.706	75	26304	19.279	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	83368	21.312	ug/l	97
94) Hexachlorobutadiene	15.476	225	33388	22.970	ug/l	98
95) Naphthalene	15.617	128	306591	22.124	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	79522	20.266	ug/l	97

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

