

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088142.D
 Acq On : 28 Oct 2025 16:03
 Operator : JC\MD
 Sample : VN1028WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBSD02

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/29/2025
 Supervised By :Semsettin Yesilyurt 10/29/2025

Quant Time: Oct 29 02:27:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	290744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	574944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	522981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	266094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	301722	60.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.020%			
35) Dibromofluoromethane	8.153	113	199077	51.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	10.547	98	743214	49.937	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.829	95	280745	53.413	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	63824	19.461	ug/l	98
3) Chloromethane	2.383	50	74423	19.289	ug/l	98
4) Vinyl Chloride	2.536	62	82768	19.688	ug/l	99
5) Bromomethane	2.983	94	45648	18.154	ug/l	98
6) Chloroethane	3.142	64	55195	18.223	ug/l	95
7) Trichlorofluoromethane	3.512	101	123124	18.363	ug/l	95
8) Diethyl Ether	3.959	74	53902	21.630	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	64332	18.594	ug/l	99
10) Methyl Iodide	4.583	142	47876	17.061	ug/l	96
11) Tert butyl alcohol	5.518	59	101824	117.560	ug/l	99
12) 1,1-Dichloroethene	4.342	96	65665	17.969	ug/l	94
13) Acrolein	4.183	56	106396	109.207	ug/l	97
14) Allyl chloride	5.018	41	134477	20.995	ug/l	99
15) Acrylonitrile	5.712	53	270313	114.572	ug/l	99
16) Acetone	4.424	43	255423	101.126	ug/l	93
17) Carbon Disulfide	4.706	76	199240	17.936	ug/l	97
18) Methyl Acetate	5.024	43	120173	23.240	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	299877	22.345	ug/l	97
20) Methylene Chloride	5.271	84	90606	23.464	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	79339	19.779	ug/l	99
22) Diisopropyl ether	6.659	45	305905	22.709	ug/l	97
23) Vinyl Acetate	6.588	43	1411130	116.296	ug/l	98
24) 1,1-Dichloroethane	6.553	63	165369	22.162	ug/l	96
25) 2-Butanone	7.471	43	379714	114.076	ug/l	99
26) 2,2-Dichloropropane	7.471	77	130190	19.199	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	100328	21.727	ug/l	97
28) Bromochloromethane	7.794	49	70869	20.101	ug/l	95
29) Tetrahydrofuran	7.824	42	241129	111.157	ug/l	99
30) Chloroform	7.947	83	168745	22.637	ug/l	99
31) Cyclohexane	8.235	56	134151	19.062	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	137555	20.718	ug/l	93
36) 1,1-Dichloropropene	8.353	75	110693	19.628	ug/l	99
37) Ethyl Acetate	7.547	43	149318	20.517	ug/l	97
38) Carbon Tetrachloride	8.341	117	112363	19.290	ug/l	91
39) Methylcyclohexane	9.582	83	124298	17.147	ug/l	97
40) Benzene	8.588	78	354412	20.635	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	77271	20.173	ug/l	93
42) 1,2-Dichloroethane	8.653	62	138708	22.729	ug/l	98
43) Isopropyl Acetate	8.671	43	246164	22.012	ug/l	99
44) Trichloroethene	9.329	130	77884	19.400	ug/l	97
45) 1,2-Dichloropropane	9.600	63	91337	21.064	ug/l	97
46) Dibromomethane	9.688	93	67213	21.734	ug/l	97
47) Bromodichloromethane	9.871	83	131428	21.227	ug/l	96
48) Methyl methacrylate	9.665	41	115776	22.423	ug/l	99
49) 1,4-Dioxane	9.676	88	31352	488.224	ug/l #	100
51) 4-Methyl-2-Pentanone	10.423	43	758849	114.700	ug/l	100
52) Toluene	10.606	92	213258	20.139	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	135621	20.580	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	146055	20.887	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	81940	20.396	ug/l	98
56) Ethyl methacrylate	10.853	69	140597	22.114	ug/l	98
57) 1,3-Dichloropropane	11.141	76	152441	21.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	342582	103.592	ug/l	100
59) 2-Hexanone	11.176	43	485544	110.631	ug/l	98
60) Dibromochloromethane	11.341	129	93455	20.466	ug/l	98
61) 1,2-Dibromoethane	11.447	107	86135	20.832	ug/l	99
64) Tetrachloroethene	11.082	164	64145	18.595	ug/l	95
65) Chlorobenzene	11.870	112	231268	19.475	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.935	131	79172	20.350	ug/l	97
67) Ethyl Benzene	11.941	91	410681	19.702	ug/l	99
68) m/p-Xylenes	12.047	106	301686	38.627	ug/l	99
69) o-Xylene	12.376	106	150113	20.275	ug/l	100
70) Styrene	12.388	104	251029	20.792	ug/l	99
71) Bromoform	12.559	173	56816	19.569	ug/l #	96
73) Isopropylbenzene	12.676	105	378193	18.428	ug/l	99
74) N-amyl acetate	12.676	43	105705m	18.144	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	129327	20.240	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	123081m	20.231	ug/l	
77) Bromobenzene	12.959	156	89926	20.319	ug/l	99
78) n-propylbenzene	13.012	91	457987	18.286	ug/l	99
79) 2-Chlorotoluene	13.100	91	284185	19.897	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	321756	18.877	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	34327	15.740	ug/l	96
82) 4-Chlorotoluene	13.200	91	288090	18.643	ug/l	99
83) tert-Butylbenzene	13.412	119	272392	17.890	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	331266	19.425	ug/l	99
85) sec-Butylbenzene	13.594	105	391661	17.508	ug/l	100
86) p-Isopropyltoluene	13.706	119	326142	18.174	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	169653	19.203	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	172812	18.212	ug/l	97
89) n-Butylbenzene	14.035	91	306893	17.265	ug/l	99
90) Hexachloroethane	14.306	117	58759	16.908	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	165293	19.409	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	30219	20.320	ug/l	92
93) 1,2,4-Trichlorobenzene	15.364	180	97266	18.859	ug/l	99
94) Hexachlorobutadiene	15.476	225	33993	17.699	ug/l	98
95) Naphthalene	15.611	128	340968	19.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	92395	18.683	ug/l	99

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

