

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087528.D
 Acq On : 13 Aug 2025 12:39
 Operator : JC\MD
 Sample : VN0813WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Quant Time: Aug 14 03:57:27 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	271136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	532074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	483502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	246357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	269348	58.546	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.100%			
35) Dibromofluoromethane	8.153	113	183322	49.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	10.547	98	668561	51.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.829	95	253521	52.413	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	67174	23.326	ug/l	90
3) Chloromethane	2.389	50	66776	18.439	ug/l	92
4) Vinyl Chloride	2.542	62	74754	20.771	ug/l	96
5) Bromomethane	2.983	94	40764	21.873	ug/l	96
6) Chloroethane	3.136	64	48629	20.719	ug/l	96
7) Trichlorofluoromethane	3.512	101	111233	20.902	ug/l	99
8) Diethyl Ether	3.965	74	48291	23.393	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	58540	21.429	ug/l	95
10) Methyl Iodide	4.583	142	35025	16.690	ug/l #	80
11) Tert butyl alcohol	5.524	59	97141	111.202	ug/l	99
12) 1,1-Dichloroethene	4.342	96	59582	19.247	ug/l	91
13) Acrolein	4.177	56	67486	96.264	ug/l	95
14) Allyl chloride	5.012	41	114422	20.424	ug/l	93
15) Acrylonitrile	5.712	53	232694	98.163	ug/l	97
16) Acetone	4.424	43	264610	122.670	ug/l	95
17) Carbon Disulfide	4.706	76	166545	18.146	ug/l #	94
18) Methyl Acetate	5.018	43	123131	22.720	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	260864	22.862	ug/l	98
20) Methylene Chloride	5.265	84	74231	19.972	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	66300	18.994	ug/l	93
22) Diisopropyl ether	6.659	45	255940	21.779	ug/l	94
23) Vinyl Acetate	6.589	43	1200447	116.798	ug/l	100
24) 1,1-Dichloroethane	6.559	63	142998	21.092	ug/l	98
25) 2-Butanone	7.477	43	352074	105.636	ug/l	98
26) 2,2-Dichloropropane	7.483	77	122382	23.217	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	85349	21.238	ug/l	98
28) Bromochloromethane	7.800	49	86255	26.583	ug/l	94
29) Tetrahydrofuran	7.830	42	226869	104.782	ug/l	98
30) Chloroform	7.953	83	147959	21.803	ug/l	100
31) Cyclohexane	8.247	56	117459	20.768	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	121717	20.709	ug/l	92
36) 1,1-Dichloropropene	8.353	75	93953	19.376	ug/l	97
37) Ethyl Acetate	7.547	43	140045	19.997	ug/l	99
38) Carbon Tetrachloride	8.347	117	98608	18.460	ug/l	99
39) Methylcyclohexane	9.582	83	104990	19.999	ug/l	95
40) Benzene	8.588	78	300280	19.160	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	72592	19.824	ug/l	97
42) 1,2-Dichloroethane	8.659	62	123364	20.757	ug/l	98
43) Isopropyl Acetate	8.677	43	226277	20.814	ug/l	97
44) Trichloroethene	9.335	130	64984	17.548	ug/l	80
45) 1,2-Dichloropropane	9.606	63	76438	19.195	ug/l	95
46) Dibromomethane	9.694	93	58121	19.494	ug/l	94
47) Bromodichloromethane	9.871	83	118437	19.721	ug/l #	99
48) Methyl methacrylate	9.665	41	101733	20.787	ug/l	93
49) 1,4-Dioxane	9.682	88	30716	409.771	ug/l #	99
51) 4-Methyl-2-Pentanone	10.429	43	682146	99.209	ug/l	98
52) Toluene	10.612	92	184134	19.330	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	126655	20.839	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	127653	20.333	ug/l #	82
55) 1,1,2-Trichloroethane	11.000	97	75351	19.538	ug/l	93
56) Ethyl methacrylate	10.859	69	124909	20.038	ug/l #	94
57) 1,3-Dichloropropane	11.147	76	133523	20.025	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	357207	112.912	ug/l	100
59) 2-Hexanone	11.182	43	449566	98.549	ug/l	99
60) Dibromochloromethane	11.341	129	83142	18.904	ug/l	98
61) 1,2-Dibromoethane	11.453	107	76462	18.856	ug/l	97
64) Tetrachloroethene	11.088	164	52809	16.970	ug/l	94
65) Chlorobenzene	11.871	112	204381	18.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	70375	19.066	ug/l	100
67) Ethyl Benzene	11.947	91	350836	19.633	ug/l	98
68) m/p-Xylenes	12.053	106	257573	38.492	ug/l	87
69) o-Xylene	12.382	106	126743	19.828	ug/l	92
70) Styrene	12.394	104	217628	20.239	ug/l	95
71) Bromoform	12.559	173	51553	17.288	ug/l #	100
73) Isopropylbenzene	12.676	105	329550	21.254	ug/l	98
74) N-amyl acetate	12.529	43	117589m	18.253	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	118693	20.344	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	104369m	18.893	ug/l	
77) Bromobenzene	12.965	156	79368	19.737	ug/l	94
78) n-propylbenzene	13.018	91	406345	20.830	ug/l	97
79) 2-Chlorotoluene	13.106	91	249430	20.804	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	279232	21.137	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	35665	17.665	ug/l	91
82) 4-Chlorotoluene	13.206	91	259571	20.795	ug/l	96
83) tert-Butylbenzene	13.418	119	235302	21.326	ug/l	97
84) 1,2,4-Trimethylbenzene	13.465	105	293504	21.755	ug/l	95
85) sec-Butylbenzene	13.594	105	350703	21.102	ug/l	98
86) p-Isopropyltoluene	13.712	119	289012	21.699	ug/l	97
87) 1,3-Dichlorobenzene	13.717	146	150068	19.015	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	158514	18.806	ug/l	98
89) n-Butylbenzene	14.035	91	289625	22.773	ug/l	99
90) Hexachloroethane	14.312	117	54681	19.377	ug/l	94
91) 1,2-Dichlorobenzene	14.088	146	146430	19.585	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	28461	18.580	ug/l	92
93) 1,2,4-Trichlorobenzene	15.370	180	88514	20.154	ug/l	98
94) Hexachlorobutadiene	15.476	225	32512	19.923	ug/l	99
95) Naphthalene	15.611	128	315158	20.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	83466	18.946	ug/l	96

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

