

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086992.D
 Acq On : 12 Jun 2025 20:48
 Operator : JC\MD
 Sample : Q2268-04MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-20250605MS

Quant Time: Jun 13 01:35:43 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	232985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	427205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	372041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171326	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	141302	45.298	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.600%		
35) Dibromofluoromethane	8.177	113	127855	50.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.000%		
50) Toluene-d8	10.571	98	475637	47.457	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.920%		
62) 4-Bromofluorobenzene	12.847	95	179151	48.112	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.154	85	95206	40.984	ug/l	96
3) Chloromethane	2.395	50	107133	35.714	ug/l	99
4) Vinyl Chloride	2.554	62	140948	45.550	ug/l	99
5) Bromomethane	2.983	94	31603	18.250	ug/l	91
6) Chloroethane	3.154	64	96111	48.084	ug/l	98
7) Trichlorofluoromethane	3.524	101	198275	49.042	ug/l	99
8) Diethyl Ether	3.983	74	93986	53.356	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.395	101	113796	44.801	ug/l	97
10) Methyl Iodide	4.612	142	53304	16.188	ug/l	94
11) Tert butyl alcohol	5.547	59	219086	258.838	ug/l	100
12) 1,1-Dichloroethene	4.365	96	130958	50.501	ug/l	92
13) Acrolein	4.200	56	42311	157.923	ug/l	# 15
14) Allyl chloride	5.048	41	171692	39.922	ug/l	# 92
15) Acrylonitrile	5.742	53	495167	250.288	ug/l	97
16) Acetone	4.448	43	428120	258.800	ug/l	98
17) Carbon Disulfide	4.736	76	319157	44.494	ug/l	100
18) Methyl Acetate	5.048	43	218341	45.292	ug/l	95
19) Methyl tert-butyl Ether	5.818	73	572010	60.921	ug/l	# 1
20) Methylene Chloride	5.300	84	152310	49.179	ug/l	92
21) trans-1,2-Dichloroethene	5.806	96	139888	48.486	ug/l	91
22) Diisopropyl ether	6.689	45	430366	47.473	ug/l	96
23) Vinyl Acetate	6.624	43	1641904	214.367	ug/l	96
24) 1,1-Dichloroethane	6.589	63	260618	49.956	ug/l	99
25) 2-Butanone	7.494	43	647510	240.806	ug/l	94
26) 2,2-Dichloropropane	7.500	77	152729	37.635	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	180414	52.287	ug/l	92
28) Bromochloromethane	7.824	49	104333	40.675	ug/l	86
29) Tetrahydrofuran	7.847	42	400335	228.548	ug/l	91
30) Chloroform	7.977	83	290791	55.814	ug/l	95
31) Cyclohexane	8.265	56	401420	79.342	ug/l	# 88
32) 1,1,1-Trichloroethane	8.177	97	222435	50.197	ug/l	97
36) 1,1-Dichloropropene	8.377	75	177427	47.031	ug/l	97
37) Ethyl Acetate	7.571	43	202261	42.117	ug/l	95
38) Carbon Tetrachloride	8.371	117	184700	49.869	ug/l	99
39) Methylcyclohexane	9.606	83	429688	83.136	ug/l	94
40) Benzene	8.612	78	2008592	162.820	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	127639	47.325	ug/l	94
42) 1,2-Dichloroethane	8.677	62	179592	47.997	ug/l	96
43) Isopropyl Acetate	8.694	43	368031	47.747	ug/l	99
44) Trichloroethene	9.359	130	151965	51.951	ug/l	98
45) 1,2-Dichloropropane	9.624	63	149989	49.976	ug/l	97
46) Dibromomethane	9.712	93	104726	52.535	ug/l	93
47) Bromodichloromethane	9.894	83	218861	53.361	ug/l	100
48) Methyl methacrylate	9.682	41	141952	40.013	ug/l #	83
49) 1,4-Dioxane	9.706	88	72823	1128.338	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	1091222	235.166	ug/l	93
52) Toluene	10.630	92	453063	60.096	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	223962	48.833	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	243114	49.542	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	189646	65.376	ug/l	87
56) Ethyl methacrylate	10.882	69	262788	56.876	ug/l	90
57) 1,3-Dichloropropane	11.165	76	257363	51.143	ug/l	98
59) 2-Hexanone	11.200	43	763906	255.579	ug/l	89
60) Dibromochloromethane	11.359	129	168431	55.728	ug/l	99
61) 1,2-Dibromoethane	11.471	107	160869	54.104	ug/l	98
64) Tetrachloroethene	11.106	164	112563	47.807	ug/l	95
65) Chlorobenzene	11.894	112	425514	51.857	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	142834	54.152	ug/l	100
67) Ethyl Benzene	11.965	91	6864452	485.676	ug/l	98
68) m/p-Xylenes	12.076	106	3554679	657.006	ug/l	96
69) o-Xylene	12.400	106	307969	59.433	ug/l	96
70) Styrene	12.412	104	461140	52.006	ug/l	99
71) Bromoform	12.576	173	114944	58.815	ug/l #	99
73) Isopropylbenzene	12.694	105	1259395	100.903	ug/l	99
74) N-amyl acetate	12.512	43	215181	49.337	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	236672	55.972	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	200060m	49.125	ug/l	
77) Bromobenzene	12.982	156	163979	57.288	ug/l	94
78) n-propylbenzene	13.035	91	2168323	142.954	ug/l	98
79) 2-Chlorotoluene	13.123	91	595579	65.474	ug/l	90
80) 1,3,5-Trimethylbenzene	13.171	105	1374121	133.348	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.735	75	79134	44.730	ug/l	95
82) 4-Chlorotoluene	13.223	91	462419	50.241	ug/l	97
83) tert-Butylbenzene	13.435	119	468897	49.710	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	3780929	365.899	ug/l	96
85) sec-Butylbenzene	13.618	105	675844	49.338	ug/l	94
86) p-Isopropyltoluene	13.729	119	518206	45.764	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	288870	51.294	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	295025	51.383	ug/l	99
89) n-Butylbenzene	14.053	91	513089	46.780	ug/l #	87
90) Hexachloroethane	14.329	117	159701	83.204	ug/l	65
91) 1,2-Dichlorobenzene	14.106	146	282685	52.247	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	51901	51.325	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	156064	45.170	ug/l	98
94) Hexachlorobutadiene	15.494	225	41374	32.142	ug/l	97
95) Naphthalene	15.635	128	4309972	335.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	156650	45.635	ug/l	97

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

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

