

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087096.D
 Acq On : 18 Jun 2025 19:00
 Operator : JC\MD
 Sample : Q2299-03MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D1-20250609MS

Quant Time: Jun 19 01:33:32 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 06/19/2025
 Supervised By : Mahesh Dadoda 06/21/2025

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	197403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	358053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135317	51.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.400%			
35) Dibromofluoromethane	8.177	113	115460	54.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.820%			
50) Toluene-d8	10.570	98	426488	50.772	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.847	95	161206	51.654	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.153	85	101408	51.522	ug/l	97
3) Chloromethane	2.400	50	115902	45.602	ug/l	98
4) Vinyl Chloride	2.553	62	142212	54.242	ug/l	100
5) Bromomethane	2.989	94	70658	48.159	ug/l	93
6) Chloroethane	3.153	64	93426	55.166	ug/l	92
7) Trichlorofluoromethane	3.530	101	184342	53.815	ug/l	96
8) Diethyl Ether	3.989	74	77723	52.076	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	114361	53.139	ug/l	99
10) Methyl Iodide	4.618	142	71856	25.756	ug/l	99
11) Tert butyl alcohol	5.541	59	168214	234.558	ug/l	100
12) 1,1-Dichloroethene	4.365	96	118155	53.776	ug/l	95
13) Acrolein	4.206	56	37345	164.512	ug/l	100
14) Allyl chloride	5.047	41	170132	46.690	ug/l	95
15) Acrylonitrile	5.736	53	417869	249.289	ug/l	99
16) Acetone	4.447	43	316435	225.766	ug/l	95
17) Carbon Disulfide	4.741	76	335575	55.216	ug/l	99
18) Methyl Acetate	5.047	43	166046	40.653	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	403286	50.693	ug/l	99
20) Methylene Chloride	5.300	84	132179	50.372	ug/l	97
21) trans-1,2-Dichloroethene	5.812	96	126069	51.572	ug/l	94
22) Diisopropyl ether	6.688	45	374016	48.694	ug/l	98
23) Vinyl Acetate	6.618	43	1562934	240.838	ug/l	98
24) 1,1-Dichloroethane	6.583	63	230288	52.099	ug/l	99
25) 2-Butanone	7.494	43	527461	231.518	ug/l	96
26) 2,2-Dichloropropane	7.500	77	171248	49.805	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	151416	51.793	ug/l	98
28) Bromochloromethane	7.824	49	99672	45.861	ug/l	94
29) Tetrahydrofuran	7.847	42	346557	233.508	ug/l	96
30) Chloroform	7.977	83	230181	52.145	ug/l	100
31) Cyclohexane	8.265	56	194291	45.324	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	193588	51.562	ug/l	98
36) 1,1-Dichloropropene	8.382	75	165965	52.490	ug/l	99
37) Ethyl Acetate	7.571	43	191092	47.476	ug/l	100
38) Carbon Tetrachloride	8.371	117	164139	52.876	ug/l	97
39) Methylcyclohexane	9.606	83	181028	41.790	ug/l	96
40) Benzene	8.612	78	532196	51.473	ug/l	99

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41) Methacrylonitrile	7.782	41	103469	45.773	ug/l	94
42) 1,2-Dichloroethane	8.677	62	161720	51.568	ug/l	100
43) Isopropyl Acetate	8.694	43	290596	44.982	ug/l	96
44) Trichloroethene	9.359	130	153823	62.743	ug/l	99
45) 1,2-Dichloropropane	9.623	63	129515	51.488	ug/l	100
46) Dibromomethane	9.712	93	88725	53.104	ug/l	99
47) Bromodichloromethane	9.888	83	177855	51.738	ug/l	98
48) Methyl methacrylate	9.682	41	139458	46.902	ug/l	95
49) 1,4-Dioxane	9.700	88	56591	1046.182	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	956382	245.913	ug/l	98
52) Toluene	10.629	92	327116	51.770	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	196648	51.158	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	207342	50.413	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	124925	51.382	ug/l	98
56) Ethyl methacrylate	10.876	69	208260	53.779	ug/l	93
57) 1,3-Dichloropropane	11.165	76	217073	51.468	ug/l	99
59) 2-Hexanone	11.200	43	645373	257.623	ug/l	94
60) Dibromochloromethane	11.359	129	137309	54.205	ug/l	100
61) 1,2-Dibromoethane	11.470	107	131156	52.630	ug/l	99
64) Tetrachloroethene	11.106	164	98548	48.740	ug/l	97
65) Chlorobenzene	11.888	112	361021	51.235	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	116295	51.343	ug/l	98
67) Ethyl Benzene	11.965	91	599533	49.396	ug/l	99
68) m/p-Xylenes	12.070	106	474921	102.218	ug/l	98
69) o-Xylene	12.394	106	229851	51.654	ug/l	96
70) Styrene	12.412	104	392378	51.531	ug/l	100
71) Bromoform	12.576	173	92019	54.830	ug/l #	100
73) Isopropylbenzene	12.694	105	557938	47.677	ug/l	99
74) N-amyl acetate	12.512	43	167555	40.974	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	198675	50.114	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	165098m	43.238	ug/l	
77) Bromobenzene	12.976	156	138138	51.472	ug/l	96
78) n-propylbenzene	13.035	91	663158	46.631	ug/l	99
79) 2-Chlorotoluene	13.123	91	404029	47.373	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	460985	47.713	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	80506	48.535	ug/l	88
82) 4-Chlorotoluene	13.217	91	416850	48.304	ug/l	99
83) tert-Butylbenzene	13.435	119	387648	43.832	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	468727	48.380	ug/l	100
85) sec-Butylbenzene	13.611	105	544966	42.431	ug/l	99
86) p-Isopropyltoluene	13.729	119	463963	43.701	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	264324	50.059	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	266794	49.559	ug/l	99
89) n-Butylbenzene	14.053	91	399103	38.810	ug/l	99
90) Hexachloroethane	14.329	117	83606	46.458	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	254364	50.142	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43850	46.249	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	134978	41.668	ug/l	99
94) Hexachlorobutadiene	15.500	225	39657	32.859	ug/l	97
95) Naphthalene	15.635	128	555412	46.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	131561	40.877	ug/l	99

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

