

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086801.D
 Acq On : 28 May 2025 15:57
 Operator : JC\MD
 Sample : Q2126-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Quant Time: May 29 04:02:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	196961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	361101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	318952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132366	48.635	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.260%		
35) Dibromofluoromethane	8.165	113	105546	49.080	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.160%		
50) Toluene-d8	10.565	98	442857	49.693	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.380%		
62) 4-Bromofluorobenzene	12.847	95	153725	48.853	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	4557	2.142	ug/l	91
3) Chloromethane	2.359	50	8260	2.567	ug/l	95
4) Vinyl Chloride	2.518	62	7128	2.467	ug/l	95
5) Bromomethane	2.954	94	4497	2.700	ug/l #	65
6) Chloroethane	3.112	64	4588	2.424	ug/l	94
7) Trichlorofluoromethane	3.501	101	9019	2.612	ug/l	100
8) Diethyl Ether	3.953	74	3699	2.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	5326	2.577	ug/l	95
10) Methyl Iodide	4.595	142	6478	2.519	ug/l #	94
11) Tert butyl alcohol	5.512	59	5116	10.321	ug/l #	83
12) 1,1-Dichloroethene	4.336	96	5555	2.529	ug/l #	79
13) Acrolein	4.183	56	2370	4.473	ug/l	99
14) Allyl chloride	5.018	41	8799	2.646	ug/l	87
15) Acrylonitrile	5.724	53	13603	11.084	ug/l	100
16) Acetone	4.436	43	10974	10.779	ug/l	94
17) Carbon Disulfide	4.706	76	15825	2.602	ug/l #	90
18) Methyl Acetate	5.024	43	7907	2.775	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	19202	2.567	ug/l #	89
20) Methylene Chloride	5.271	84	6977	2.597	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	6130	2.639	ug/l #	79
22) Diisopropyl ether	6.671	45	18133	2.417	ug/l	95
23) Vinyl Acetate	6.600	43	41406	7.344	ug/l	96
24) 1,1-Dichloroethane	6.565	63	11087	2.517	ug/l	99
25) 2-Butanone	7.483	43	17441	11.086	ug/l	97
26) 2,2-Dichloropropane	7.489	77	8915	2.453	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	7085	2.485	ug/l	99
28) Bromochloromethane	7.806	49	4835	2.416	ug/l #	95
29) Tetrahydrofuran	7.836	42	11254	10.960	ug/l	99
30) Chloroform	7.959	83	11300	2.563	ug/l	96
31) Cyclohexane	8.247	56	13086	3.204	ug/l #	91
32) 1,1,1-Trichloroethane	8.165	97	9306	2.504	ug/l #	49
36) 1,1-Dichloropropene	8.365	75	8053	2.539	ug/l	97
37) Ethyl Acetate	7.559	43	6589	2.056	ug/l	96
38) Carbon Tetrachloride	8.353	117	7937	2.539	ug/l	90
39) Methylcyclohexane	9.606	83	8597	2.504	ug/l #	78
40) Benzene	8.600	78	26692	2.579	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	4193	2.424	ug/l #	88
42) 1,2-Dichloroethane	8.671	62	8482	2.631	ug/l	97
43) Isopropyl Acetate	8.683	43	12846	2.000	ug/l	98
44) Trichloroethene	9.347	130	7872	3.154	ug/l	94
45) 1,2-Dichloropropane	9.618	63	6240	2.538	ug/l	95
46) Dibromomethane	9.706	93	4305	2.595	ug/l	95
47) Bromodichloromethane	9.883	83	8839	2.586	ug/l	91
48) Methyl methacrylate	9.677	41	5416	2.176	ug/l	93
49) 1,4-Dioxane	9.700	88	2114	40.108	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	35549	10.974	ug/l	100
52) Toluene	10.630	92	16880	2.625	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	8498	2.348	ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	9801	2.481	ug/l	92
55) 1,1,2-Trichloroethane	11.006	97	6060	2.526	ug/l	86
56) Ethyl methacrylate	10.871	69	8209	2.131	ug/l	98
57) 1,3-Dichloropropane	11.165	76	10201	2.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	19804	11.503	ug/l	100
59) 2-Hexanone	11.194	43	24998	10.567	ug/l	97
60) Dibromochloromethane	11.359	129	5935	2.360	ug/l	97
61) 1,2-Dibromoethane	11.471	107	5757	2.388	ug/l	98
64) Tetrachloroethene	11.100	164	8701	3.561	ug/l	95
65) Chlorobenzene	11.888	112	18538	2.651	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.953	131	5863	2.597	ug/l	98
67) Ethyl Benzene	11.959	91	28066	2.343	ug/l	99
68) m/p-Xylenes	12.071	106	21669	4.776	ug/l	98
69) o-Xylene	12.394	106	10221	2.266	ug/l	92
70) Styrene	12.406	104	16496	2.234	ug/l	96
71) Bromoform	12.576	173	4118	2.565	ug/l #	97
73) Isopropylbenzene	12.694	105	24283	2.368	ug/l	99
74) N-amyl acetate	12.488	43	8838	2.063	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	6023	1.912	ug/l	95
76) 1,2,3-Trichloropropane	12.994	75	8166m	2.720	ug/l	
77) Bromobenzene	12.976	156	6669	2.586	ug/l	97
78) n-propylbenzene	13.035	91	28402	2.414	ug/l	100
79) 2-Chlorotoluene	13.123	91	19829	2.592	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	19632	2.390	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	2313	1.944	ug/l	87
82) 4-Chlorotoluene	13.218	91	18330	2.418	ug/l	99
83) tert-Butylbenzene	13.435	119	17839	2.490	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	19242	2.352	ug/l	98
85) sec-Butylbenzene	13.612	105	22406	2.332	ug/l	100
86) p-Isopropyltoluene	13.723	119	17673	2.244	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	11450	2.564	ug/l	97
88) 1,4-Dichlorobenzene	13.806	146	11551	2.610	ug/l	90
89) n-Butylbenzene	14.053	91	14755	2.260	ug/l	98
90) Hexachloroethane	14.329	117	3220	2.465	ug/l	94
91) 1,2-Dichlorobenzene	14.100	146	10695	2.518	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1171	2.244	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	4165	2.323	ug/l	97
94) Hexachlorobutadiene	15.500	225	1868	2.511	ug/l	93
95) Naphthalene	15.635	128	13289	2.134	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	3972	2.262	ug/l	96

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

