

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086784.D
 Acq On : 27 May 2025 15:19
 Operator : JC\MD
 Sample : Q2126-07 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: May 29 01:49:41 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	222855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	398302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	344453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144660	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	136911	44.460	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.920%
35) Dibromofluoromethane	8.159	113	111872	47.162	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.320%
50) Toluene-d8	10.565	98	465086	47.313	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.620%
62) 4-Bromofluorobenzene	12.847	95	156810	45.179	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.360%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	1370	0.569	ug/l	94
3) Chloromethane	2.365	50	3123	0.858	ug/l	93
4) Vinyl Chloride	2.513	62	2274	0.696	ug/l	90
5) Bromomethane	2.971	94	1660	0.881	ug/l	100
6) Chloroethane	3.124	64	1422	0.664	ug/l	97
7) Trichlorofluoromethane	3.495	101	2600	0.665	ug/l	91
8) Diethyl Ether	3.959	74	1176	0.729	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	1795	0.767	ug/l #	87
10) Methyl Iodide	4.577	142	2548	0.876	ug/l #	78
11) Tert butyl alcohol	5.518	59	1534	2.735	ug/l #	73
12) 1,1-Dichloroethene	4.330	96	1767	0.711	ug/l #	72
13) Acrolein	4.177	56	1311	2.187	ug/l	96
14) Allyl chloride	5.018	41	2605	0.692	ug/l #	85
15) Acrylonitrile	5.724	53	4277	3.080	ug/l	96
16) Acetone	4.436	43	3803	3.301	ug/l #	82
17) Carbon Disulfide	4.712	76	5714	0.830	ug/l	97
18) Methyl Acetate	5.024	43	10217	3.169	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	5774	0.682	ug/l	95
20) Methylene Chloride	5.265	84	2134	0.702	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	1907	0.726	ug/l #	79
22) Diisopropyl ether	6.665	45	5211	0.614	ug/l	97
23) Vinyl Acetate	6.600	43	14085	2.208	ug/l	94
24) 1,1-Dichloroethane	6.565	63	3388	0.680	ug/l #	82
25) 2-Butanone	7.495	43	5938	3.336	ug/l	98
26) 2,2-Dichloropropane	7.483	77	2903	0.706	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	2371	0.735	ug/l	96
28) Bromochloromethane	7.812	49	1273	0.562	ug/l #	88
29) Tetrahydrofuran	7.847	42	3419	2.943	ug/l	95
30) Chloroform	7.965	83	3326	0.667	ug/l	98
31) Cyclohexane	8.230	56	6684	1.446	ug/l #	7
32) 1,1,1-Trichloroethane	8.165	97	2994	0.712	ug/l #	40
36) 1,1-Dichloropropene	8.365	75	2400	0.686	ug/l	95
37) Ethyl Acetate	7.571	43	2291	0.648	ug/l #	73
38) Carbon Tetrachloride	8.353	117	2367	0.687	ug/l #	84
39) Methylcyclohexane	9.594	83	2711	0.716	ug/l #	85
40) Benzene	8.600	78	8105	0.710	ug/l	94

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41) Methacrylonitrile	7.783	41	1312m	0.688	ug/l	
42) 1,2-Dichloroethane	8.665	62	2769	0.779	ug/l	86
43) Isopropyl Acetate	8.689	43	7266	1.025	ug/l #	79
44) Trichloroethene	9.347	130	2182	0.793	ug/l	94
45) 1,2-Dichloropropane	9.612	63	1704	0.628	ug/l	98
46) Dibromomethane	9.700	93	1328	0.726	ug/l	95
47) Bromodichloromethane	9.889	83	2649	0.703	ug/l #	90
48) Methyl methacrylate	9.677	41	1843	0.671	ug/l	92
49) 1,4-Dioxane	9.694	88	657	11.301	ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	10795	3.021	ug/l	97
52) Toluene	10.630	92	5160	0.727	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	3030	0.759	ug/l #	88
54) cis-1,3-Dichloropropene	10.312	75	3040	0.698	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	1841	0.696	ug/l #	84
56) Ethyl methacrylate	10.871	69	2596	0.611	ug/l	99
57) 1,3-Dichloropropane	11.159	76	3100	0.680	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.159	63	5712	3.008	ug/l	96
59) 2-Hexanone	11.194	43	7684	2.945	ug/l	97
60) Dibromochloromethane	11.359	129	2088	0.753	ug/l	100
61) 1,2-Dibromoethane	11.471	107	1776	0.668	ug/l	95
64) Tetrachloroethene	11.094	164	2681	1.016	ug/l #	84
65) Chlorobenzene	11.888	112	5788	0.766	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.959	131	1895	0.777	ug/l #	64
67) Ethyl Benzene	11.959	91	9081	0.702	ug/l	97
68) m/p-Xylenes	12.071	106	6751	1.378	ug/l	98
69) o-Xylene	12.394	106	3022	0.620	ug/l	80
70) Styrene	12.406	104	5031	0.631	ug/l	97
71) Bromoform	12.582	173	1416	0.817	ug/l #	95
73) Isopropylbenzene	12.694	105	7555	0.676	ug/l	99
74) N-amyl acetate	12.488	43	2492	0.534	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	2119	0.617	ug/l #	91
76) 1,2,3-Trichloropropane	12.988	75	2415m	0.738	ug/l	
77) Bromobenzene	12.971	156	2236	0.796	ug/l	98
78) n-propylbenzene	13.029	91	8794	0.686	ug/l	100
79) 2-Chlorotoluene	13.124	91	6336	0.760	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	5965	0.666	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.729	75	756m	0.583	ug/l	
82) 4-Chlorotoluene	13.218	91	5695	0.690	ug/l	98
83) tert-Butylbenzene	13.441	119	5404	0.692	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	5856	0.657	ug/l	94
85) sec-Butylbenzene	13.612	105	6792	0.649	ug/l	99
86) p-Isopropyltoluene	13.724	119	5202	0.606	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	3668	0.754	ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	4134m	0.857	ug/l	
89) n-Butylbenzene	14.053	91	4902	0.689	ug/l	97
90) Hexachloroethane	14.335	117	1011	0.710	ug/l	90
91) 1,2-Dichlorobenzene	14.100	146	3386	0.731	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	366	0.644	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	1346	0.689	ug/l	90
94) Hexachlorobutadiene	15.506	225	568	0.701	ug/l	91
95) Naphthalene	15.641	128	5634	0.830	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.835	180	1533	0.801	ug/l	82

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

Manual Integrations

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05/29/2025

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