

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086782.D
 Acq On : 27 May 2025 14:08
 Operator : JC\MD
 Sample : Q2126-07 0.2PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 29 03:10:25 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	8.218	168	237294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	420284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	372159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147049	44.846	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.700%		
35) Dibromofluoromethane	8.165	113	122198	48.821	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.640%		
50) Toluene-d8	10.565	98	508641	49.038	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.080%		
62) 4-Bromofluorobenzene	12.847	95	168739	46.073	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	346	0.135	ug/l #	43
3) Chloromethane	2.359	50	1524	0.393	ug/l	90
4) Vinyl Chloride	2.506	62	521	0.150	ug/l #	41
5) Bromomethane	2.959	94	759	0.378	ug/l	95
6) Chloroethane	3.124	64	260	0.114	ug/l #	40
7) Trichlorofluoromethane	3.501	101	543	0.131	ug/l #	79
9) 1,1,2-Trichlorotrifluo...	4.377	101	160	0.064	ug/l #	20
10) Methyl Iodide	4.583	142	1324	0.427	ug/l #	43
11) Tert butyl alcohol	5.518	59	60	0.100	ug/l #	73
12) 1,1-Dichloroethene	4.342	96	331	0.125	ug/l #	54
13) Acrolein	4.183	56	375	0.587	ug/l #	81
14) Allyl chloride	5.024	41	429	0.107	ug/l #	42
15) Acrylonitrile	5.724	53	1032	0.698	ug/l #	79
16) Acetone	4.436	43	1415	1.154	ug/l	90
17) Carbon Disulfide	4.700	76	2261	0.309	ug/l #	75
18) Methyl Acetate	5.024	43	5005	1.458	ug/l	92
19) Methyl tert-butyl Ether	5.777	73	1593m	0.177	ug/l	
20) Methylene Chloride	5.271	84	784	0.242	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	420	0.150	ug/l #	36
22) Diisopropyl ether	6.677	45	1392	0.154	ug/l #	73
23) Vinyl Acetate	6.606	43	4327	0.637	ug/l #	93
24) 1,1-Dichloroethane	6.577	63	647	0.122	ug/l #	82
25) 2-Butanone	7.483	43	1201	0.634	ug/l #	46
26) 2,2-Dichloropropane	7.500	77	522	0.119	ug/l #	52
27) cis-1,2-Dichloroethene	7.483	96	302	0.088	ug/l #	1
28) Bromochloromethane	7.818	49	230	0.095	ug/l #	42
29) Tetrahydrofuran	7.853	42	927	0.749	ug/l #	59
30) Chloroform	7.965	83	732	0.138	ug/l	90
31) Cyclohexane	8.224	56	4820	0.979	ug/l #	1
32) 1,1,1-Trichloroethane	8.171	97	620	0.138	ug/l #	22
36) 1,1-Dichloropropene	8.371	75	616	0.167	ug/l #	41
37) Ethyl Acetate	7.559	43	621	0.167	ug/l #	67
38) Carbon Tetrachloride	8.353	117	561m	0.154	ug/l	
39) Methylcyclohexane	9.594	83	737	0.184	ug/l	89
40) Benzene	8.606	78	2116	0.176	ug/l #	89
42) 1,2-Dichloroethane	8.665	62	1003	0.267	ug/l #	74

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Reviewed By : John Carlone 05/29/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Isopropyl Acetate	8.688	43	5100	0.682	ug/l #	57
44) Trichloroethene	9.353	130	506	0.174	ug/l	99
45) 1,2-Dichloropropane	9.624	63	380	0.133	ug/l #	42
46) Dibromomethane	9.706	93	71	0.037	ug/l #	1
47) Bromodichloromethane	9.882	83	562	0.141	ug/l #	95
48) Methyl methacrylate	9.682	41	313	0.108	ug/l #	68
49) 1,4-Dioxane	9.688	88	120	1.956	ug/l #	29
51) 4-Methyl-2-Pentanone	10.441	43	2827	0.750	ug/l	98
52) Toluene	10.624	92	1386	0.185	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	784	0.186	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	795	0.173	ug/l #	71
55) 1,1,2-Trichloroethane	11.018	97	270	0.097	ug/l #	64
56) Ethyl methacrylate	10.871	69	711	0.159	ug/l #	83
57) 1,3-Dichloropropane	11.171	76	749	0.156	ug/l #	56
58) 2-Chloroethyl Vinyl ether	10.159	63	1140	0.569	ug/l #	69
59) 2-Hexanone	11.188	43	2245	0.815	ug/l	94
60) Dibromochloromethane	11.353	129	367	0.125	ug/l #	54
61) 1,2-Dibromoethane	11.471	107	387	0.138	ug/l	98
64) Tetrachloroethene	11.100	164	559	0.196	ug/l #	74
65) Chlorobenzene	11.888	112	1681	0.206	ug/l #	83
66) 1,1,1,2-Tetrachloroethane	11.959	131	423	0.161	ug/l #	37
67) Ethyl Benzene	11.959	91	2485	0.178	ug/l	96
68) m/p-Xylenes	12.065	106	2057	0.389	ug/l	85
69) o-Xylene	12.406	106	824	0.157	ug/l	76
70) Styrene	12.412	104	1561	0.181	ug/l #	85
71) Bromoform	12.582	173	286	0.153	ug/l #	30
73) Isopropylbenzene	12.694	105	1976	0.170	ug/l	86
74) N-amyl acetate	12.488	43	935	0.192	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.941	83	356	0.100	ug/l #	91
76) 1,2,3-Trichloropropane	12.988	75	601m	0.176	ug/l	
77) Bromobenzene	12.982	156	558	0.191	ug/l	80
78) n-propylbenzene	13.035	91	2416	0.181	ug/l	85
79) 2-Chlorotoluene	13.123	91	1588	0.183	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1676	0.180	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.723	75	133m	0.099	ug/l	
82) 4-Chlorotoluene	13.218	91	1906	0.222	ug/l	91
83) tert-Butylbenzene	13.441	119	1398	0.172	ug/l	90
84) 1,2,4-Trimethylbenzene	13.476	105	1533	0.165	ug/l	99
85) sec-Butylbenzene	13.612	105	1933	0.177	ug/l	86
86) p-Isopropyltoluene	13.729	119	1470	0.165	ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	1039	0.205	ug/l	86
88) 1,4-Dichlorobenzene	13.806	146	1507m	0.300	ug/l	
89) n-Butylbenzene	14.059	91	1433	0.193	ug/l	99
90) Hexachloroethane	14.329	117	239	0.161	ug/l #	18
91) 1,2-Dichlorobenzene	14.106	146	1185	0.246	ug/l	80
93) 1,2,4-Trichlorobenzene	15.400	180	560	0.275	ug/l #	79
94) Hexachlorobutadiene	15.500	225	386	0.457	ug/l #	50
95) Naphthalene	15.635	128	3758	0.532	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	563	0.283	ug/l #	76

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

