

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087152.D
 Acq On : 24 Jun 2025 13:28
 Operator : JC\MD
 Sample : VN0624WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/25/2025

Quant Time: Jun 25 04:15:11 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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	160941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	295023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	113184	52.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.060%			
35) Dibromofluoromethane	8.171	113	90211	51.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.200%			
50) Toluene-d8	10.571	98	326329	47.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.300%			
62) 4-Bromofluorobenzene	12.847	95	135288	52.611	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.159	85	31661	19.730	ug/l	98
3) Chloromethane	2.401	50	36392	17.562	ug/l	97
4) Vinyl Chloride	2.554	62	41560	19.443	ug/l	99
5) Bromomethane	2.995	94	20133	16.831	ug/l	100
6) Chloroethane	3.159	64	21013	15.219	ug/l	100
7) Trichlorofluoromethane	3.524	101	46896	16.792	ug/l	100
8) Diethyl Ether	3.989	74	23519	19.328	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	36085	20.566	ug/l	99
10) Methyl Iodide	4.618	142	25405	11.169	ug/l	99
11) Tert butyl alcohol	5.542	59	54983	94.038	ug/l	99
12) 1,1-Dichloroethene	4.371	96	34607	19.319	ug/l	94
13) Acrolein	4.200	56	18468	99.787	ug/l	100
14) Allyl chloride	5.042	41	58416	19.663	ug/l	94
15) Acrylonitrile	5.736	53	133184	97.454	ug/l	99
16) Acetone	4.448	43	112754	98.672	ug/l	94
17) Carbon Disulfide	4.736	76	95894	19.353	ug/l	99
18) Methyl Acetate	5.053	43	63568	19.089	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	128907	19.875	ug/l	96
20) Methylene Chloride	5.300	84	41146	19.233	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	39638	19.889	ug/l	95
22) Diisopropyl ether	6.689	45	130247	20.799	ug/l	97
23) Vinyl Acetate	6.618	43	564929	106.774	ug/l	99
24) 1,1-Dichloroethane	6.583	63	75573	20.971	ug/l	98
25) 2-Butanone	7.494	43	183518	98.801	ug/l	97
26) 2,2-Dichloropropane	7.500	77	63276	22.572	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	48958	20.540	ug/l	99
28) Bromochloromethane	7.824	49	37026	20.896	ug/l	93
29) Tetrahydrofuran	7.853	42	118013	97.531	ug/l	95
30) Chloroform	7.977	83	70126	19.485	ug/l	100
31) Cyclohexane	8.265	56	59419	17.002	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	59802	19.537	ug/l	97
36) 1,1-Dichloropropene	8.383	75	47297	18.154	ug/l	99
37) Ethyl Acetate	7.571	43	69677	21.009	ug/l	97
38) Carbon Tetrachloride	8.371	117	48206	18.847	ug/l	90
39) Methylcyclohexane	9.606	83	52734	14.774	ug/l	97
40) Benzene	8.612	78	153012	17.961	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	37255	20.002	ug/l	97
42) 1,2-Dichloroethane	8.677	62	51594	19.967	ug/l	96
43) Isopropyl Acetate	8.694	43	97712	18.357	ug/l	98
44) Trichloroethene	9.359	130	36977	18.305	ug/l	98
45) 1,2-Dichloropropane	9.624	63	36748	17.730	ug/l	96
46) Dibromomethane	9.712	93	26638	19.350	ug/l	99
47) Bromodichloromethane	9.894	83	55084	19.447	ug/l #	98
48) Methyl methacrylate	9.682	41	43513	17.760	ug/l	93
49) 1,4-Dioxane	9.700	88	14048	315.185	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	306204	95.555	ug/l	95
52) Toluene	10.630	92	96477	18.531	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	62008	19.578	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	62613	18.476	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	38892	19.414	ug/l	99
56) Ethyl methacrylate	10.888	69	54557	17.098	ug/l	93
57) 1,3-Dichloropropane	11.165	76	65889	18.960	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	169369	88.994	ug/l	100
59) 2-Hexanone	11.212	43	175535	85.041	ug/l	97
60) Dibromochloromethane	11.359	129	42257	20.246	ug/l	99
61) 1,2-Dibromoethane	11.471	107	41336	20.131	ug/l	99
64) Tetrachloroethene	11.106	164	29940	16.944	ug/l	97
65) Chlorobenzene	11.888	112	113937	18.503	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	37466	18.928	ug/l	99
67) Ethyl Benzene	11.965	91	192552	18.154	ug/l	99
68) m/p-Xylenes	12.071	106	145367	35.802	ug/l	96
69) o-Xylene	12.394	106	71138	18.293	ug/l	99
70) Styrene	12.412	104	121013	18.186	ug/l	99
71) Bromoform	12.576	173	29095	19.838	ug/l #	99
73) Isopropylbenzene	12.694	105	180172	17.429	ug/l	100
74) N-amyl acetate	12.535	43	60201m	16.666	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	65991	18.844	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	57711m	17.110	ug/l	
77) Bromobenzene	12.976	156	43267	18.251	ug/l	99
78) n-propylbenzene	13.035	91	221715	17.649	ug/l	99
79) 2-Chlorotoluene	13.123	91	134983	17.917	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	147236	17.252	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	25833	17.631	ug/l	92
82) 4-Chlorotoluene	13.218	91	138222	18.132	ug/l	98
83) tert-Butylbenzene	13.435	119	124731	15.966	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	148510	17.353	ug/l	99
85) sec-Butylbenzene	13.612	105	185938	16.389	ug/l	100
86) p-Isopropyltoluene	13.729	119	153187	16.334	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	83655	17.935	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	86481	18.186	ug/l	99
89) n-Butylbenzene	14.053	91	141889	15.620	ug/l	99
90) Hexachloroethane	14.329	117	27839	17.512	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	81149	18.109	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14024	16.745	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	46454	16.234	ug/l	97
94) Hexachlorobutadiene	15.494	225	14841	13.921	ug/l	97
95) Naphthalene	15.635	128	172694	16.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	45355	15.953	ug/l	100

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

