

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086993.D
 Acq On : 12 Jun 2025 21:11
 Operator : JC\MD
 Sample : Q2268-05MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-20250605MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Quant Time: Jun 13 01:36:43 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	8.235	168	173076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123846	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	113705	49.068	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.140%		
35) Dibromofluoromethane	8.177	113	104046	57.112	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	114.220%		
50) Toluene-d8	10.571	98	391996	54.353	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	108.700%		
62) 4-Bromofluorobenzene	12.847	95	143148	53.424	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	87006	50.419	ug/l	98
3) Chloromethane	2.401	50	88604	39.762	ug/l	95
4) Vinyl Chloride	2.553	62	119017	51.776	ug/l	98
5) Bromomethane	2.995	94	32231	25.056	ug/l	88
6) Chloroethane	3.153	64	81301	54.754	ug/l	95
7) Trichlorofluoromethane	3.524	101	170660	56.823	ug/l	99
8) Diethyl Ether	3.983	74	77359	59.118	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.395	101	103982	55.107	ug/l	96
10) Methyl Iodide	4.612	142	60737	24.831	ug/l	96
11) Tert butyl alcohol	5.542	59	181916	289.318	ug/l	100
12) 1,1-Dichloroethene	4.365	96	111344	57.799	ug/l	94
13) Acrolein	4.200	56	35500	178.365	ug/l	# 15
14) Allyl chloride	5.047	41	140861	44.091	ug/l	# 90
15) Acrylonitrile	5.736	53	422886	287.742	ug/l	97
16) Acetone	4.447	43	369511	300.689	ug/l	100
17) Carbon Disulfide	4.742	76	273831	51.389	ug/l	99
18) Methyl Acetate	5.047	43	180774	50.479	ug/l	94
19) Methyl tert-butyl Ether	5.818	73	482233	69.137	ug/l	# 1
20) Methylene Chloride	5.294	84	127825	55.560	ug/l	89
21) trans-1,2-Dichloroethene	5.812	96	118707	55.386	ug/l	94
22) Diisopropyl ether	6.688	45	347490	51.599	ug/l	96
23) Vinyl Acetate	6.618	43	1357766	238.631	ug/l	96
24) 1,1-Dichloroethane	6.583	63	218348	56.341	ug/l	99
25) 2-Butanone	7.494	43	540813	270.744	ug/l	93
26) 2,2-Dichloropropane	7.506	77	120275	39.897	ug/l	93
27) cis-1,2-Dichloroethene	7.500	96	152569	59.522	ug/l	91
28) Bromochloromethane	7.824	49	90949	47.730	ug/l	# 82
29) Tetrahydrofuran	7.847	42	329540	253.252	ug/l	90
30) Chloroform	7.977	83	250489	64.721	ug/l	98
31) Cyclohexane	8.265	56	379270	100.912	ug/l	# 87
32) 1,1,1-Trichloroethane	8.177	97	182691	55.499	ug/l	98
36) 1,1-Dichloropropene	8.382	75	154011	56.733	ug/l	97
37) Ethyl Acetate	7.571	43	166937	48.307	ug/l	96
38) Carbon Tetrachloride	8.371	117	153692	57.667	ug/l	98
39) Methylcyclohexane	9.606	83	427384	114.913	ug/l	93
40) Benzene	8.612	78	1910572	215.227	ug/l	100

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41) Methacrylonitrile	7.788	41	104901	54.051	ug/l	92
42) 1,2-Dichloroethane	8.677	62	149006	55.341	ug/l	93
43) Isopropyl Acetate	8.694	43	306102	55.188	ug/l	100
44) Trichloroethene	9.359	130	128773	61.178	ug/l	96
45) 1,2-Dichloropropane	9.624	63	124843	57.807	ug/l	95
46) Dibromomethane	9.712	93	88261	61.528	ug/l	92
47) Bromodichloromethane	9.894	83	186591	63.221	ug/l	96
48) Methyl methacrylate	9.688	41	127691	50.019	ug/l	89
49) 1,4-Dioxane	9.706	88	58042	1249.766	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	878670	263.149	ug/l	92
52) Toluene	10.635	92	390543	71.990	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	187244	56.736	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	199732	56.562	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	165693	79.377	ug/l #	84
56) Ethyl methacrylate	10.882	69	211558	63.630	ug/l	91
57) 1,3-Dichloropropane	11.165	76	211675	58.456	ug/l	98
59) 2-Hexanone	11.200	43	615338	286.097	ug/l	90
60) Dibromochloromethane	11.359	129	138270	63.576	ug/l	100
61) 1,2-Dibromoethane	11.471	107	132760	62.049	ug/l	94
64) Tetrachloroethene	11.106	164	98309	58.017	ug/l	97
65) Chlorobenzene	11.894	112	357502	60.539	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	118148	62.240	ug/l	100
67) Ethyl Benzene	11.965	91	6753470	663.940	ug/l	98
68) m/p-Xylenes	12.076	106	3471863	891.646	ug/l	97
69) o-Xylene	12.400	106	250950	67.293	ug/l	98
70) Styrene	12.412	104	388491	60.879	ug/l	98
71) Bromoform	12.576	173	94925	67.490	ug/l #	100
73) Isopropylbenzene	12.694	105	1166750	129.318	ug/l	100
74) N-amyl acetate	12.512	43	169730	53.835	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	193115	63.181	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	138570m	47.071	ug/l	
77) Bromobenzene	12.982	156	140236	67.776	ug/l	91
78) n-propylbenzene	13.035	91	2086241	190.273	ug/l	98
79) 2-Chlorotoluene	13.123	91	520161	79.106	ug/l	89
80) 1,3,5-Trimethylbenzene	13.170	105	1308849	175.709	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.735	75	66243	51.799	ug/l	93
82) 4-Chlorotoluene	13.223	91	397978	59.817	ug/l	96
83) tert-Butylbenzene	13.435	119	391714	57.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	3700121	495.359	ug/l	97
85) sec-Butylbenzene	13.617	105	585523	59.131	ug/l	93
86) p-Isopropyltoluene	13.729	119	454043	55.470	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	249522	61.293	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	252413	60.816	ug/l	100
89) n-Butylbenzene	14.053	91	477756	60.259	ug/l #	85
90) Hexachloroethane	14.329	117	145354	104.762	ug/l	61
91) 1,2-Dichlorobenzene	14.106	146	234064	59.846	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	41297	56.495	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	134765	53.960	ug/l	94
94) Hexachlorobutadiene	15.500	225	38102	40.948	ug/l	98
95) Naphthalene	15.641	128	4181384	449.797	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	132306	53.319	ug/l	96

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

