

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087098.D
 Acq On : 18 Jun 2025 19:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2025
 Supervised By : Mahesh Dadoda 06/21/2025

Quant Time: Jun 19 01:34:51 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	189111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	343303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	303826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	154355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129912	51.308	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.620%			
35) Dibromofluoromethane	8.171	113	113753	55.912	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.820%			
50) Toluene-d8	10.565	98	416207	51.677	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.847	95	156337	52.246	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.154	85	100528	53.315	ug/l	100
3) Chloromethane	2.395	50	110773	45.495	ug/l	100
4) Vinyl Chloride	2.554	62	140290	55.855	ug/l	99
5) Bromomethane	2.989	94	72744	51.755	ug/l	98
6) Chloroethane	3.153	64	89505	55.168	ug/l	100
7) Trichlorofluoromethane	3.530	101	181514	55.313	ug/l	100
8) Diethyl Ether	3.983	74	76418	53.447	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.400	101	112924	54.772	ug/l	98
10) Methyl Iodide	4.612	142	90457	33.845	ug/l	96
11) Tert butyl alcohol	5.536	59	155361	226.134	ug/l	99
12) 1,1-Dichloroethene	4.371	96	114974	54.623	ug/l	90
13) Acrolein	4.200	56	76088	349.879	ug/l	98
14) Allyl chloride	5.047	41	163864	46.942	ug/l	95
15) Acrylonitrile	5.736	53	400826	249.606	ug/l	99
16) Acetone	4.447	43	306869	228.541	ug/l	99
17) Carbon Disulfide	4.742	76	328770	56.468	ug/l	100
18) Methyl Acetate	5.042	43	201717	51.551	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	390655	51.259	ug/l	97
20) Methylene Chloride	5.295	84	129490	51.511	ug/l	93
21) trans-1,2-Dichloroethene	5.806	96	122590	52.348	ug/l	98
22) Diisopropyl ether	6.689	45	362665	49.286	ug/l	97
23) Vinyl Acetate	6.618	43	1521870	244.793	ug/l	97
24) 1,1-Dichloroethane	6.589	63	222185	52.469	ug/l	98
25) 2-Butanone	7.494	43	504996	231.377	ug/l	96
26) 2,2-Dichloropropane	7.500	77	157062	47.682	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	147877	52.800	ug/l	96
28) Bromochloromethane	7.824	49	96515	46.356	ug/l	93
29) Tetrahydrofuran	7.847	42	334447	235.230	ug/l	96
30) Chloroform	7.977	83	219880	51.995	ug/l	98
31) Cyclohexane	8.265	56	195195	47.532	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	185396	51.545	ug/l	98
36) 1,1-Dichloropropene	8.383	75	162876	53.726	ug/l	99
37) Ethyl Acetate	7.571	43	187232	48.515	ug/l	99
38) Carbon Tetrachloride	8.371	117	159437	53.568	ug/l	97
39) Methylcyclohexane	9.606	83	186032	44.790	ug/l	96
40) Benzene	8.612	78	517732	52.225	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	99657	45.981	ug/l	92
42) 1,2-Dichloroethane	8.677	62	154951	51.533	ug/l	99
43) Isopropyl Acetate	8.694	43	287907	46.481	ug/l	96
44) Trichloroethene	9.353	130	124543	52.982	ug/l	96
45) 1,2-Dichloropropane	9.624	63	125302	51.954	ug/l	100
46) Dibromomethane	9.712	93	86447	53.963	ug/l	99
47) Bromodichloromethane	9.888	83	171216	51.947	ug/l	98
48) Methyl methacrylate	9.682	41	133232	46.733	ug/l	93
49) 1,4-Dioxane	9.706	88	51690	996.635	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	917017	245.922	ug/l	98
52) Toluene	10.629	92	322535	53.238	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	189556	51.432	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	206140	52.274	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	122692	52.632	ug/l	99
56) Ethyl methacrylate	10.877	69	200286	53.942	ug/l	94
57) 1,3-Dichloropropane	11.165	76	211513	52.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	521933	235.679	ug/l	99
59) 2-Hexanone	11.200	43	614814	255.969	ug/l	93
60) Dibromochloromethane	11.359	129	133807	55.092	ug/l	100
61) 1,2-Dibromoethane	11.471	107	125069	52.343	ug/l	99
64) Tetrachloroethene	11.106	164	98311	51.129	ug/l	97
65) Chlorobenzene	11.888	112	350202	52.261	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	113531	52.707	ug/l	99
67) Ethyl Benzene	11.965	91	589188	51.046	ug/l	99
68) m/p-Xylenes	12.071	106	468010	105.923	ug/l	97
69) o-Xylene	12.400	106	225888	53.380	ug/l	95
70) Styrene	12.412	104	386227	53.338	ug/l	99
71) Bromoform	12.576	173	89180	55.877	ug/l #	100
73) Isopropylbenzene	12.694	105	552495	49.133	ug/l	100
74) N-amyl acetate	12.512	43	164161	41.777	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	192951	50.650	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	160483m	43.739	ug/l	
77) Bromobenzene	12.976	156	135755	52.642	ug/l	96
78) n-propylbenzene	13.035	91	650467	47.599	ug/l	99
79) 2-Chlorotoluene	13.123	91	393256	47.985	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	452283	48.716	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	71058	44.581	ug/l	94
82) 4-Chlorotoluene	13.218	91	412348	49.727	ug/l	99
83) tert-Butylbenzene	13.435	119	387224	45.565	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	463050	49.739	ug/l	100
85) sec-Butylbenzene	13.612	105	551168	44.660	ug/l	99
86) p-Isopropyltoluene	13.723	119	468408	45.914	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	257823	50.814	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	265204	51.268	ug/l	99
89) n-Butylbenzene	14.053	91	406621	41.149	ug/l	100
90) Hexachloroethane	14.329	117	84025	48.590	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	250075	51.301	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	41858	45.944	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	135052	43.387	ug/l	99
94) Hexachlorobutadiene	15.494	225	41719	35.974	ug/l	99
95) Naphthalene	15.635	128	550393	47.504	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	132061	42.701	ug/l	99

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

