

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087074.D
 Acq On : 18 Jun 2025 10:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jun 19 01:22:56 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	8.229	168	217200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	377846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134796	46.352	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.700%			
35) Dibromofluoromethane	8.177	113	119311	53.283	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.560%			
50) Toluene-d8	10.565	98	439174	49.543	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.847	95	168714	51.228	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	112043	51.737	ug/l	99
3) Chloromethane	2.395	50	119690	42.800	ug/l	98
4) Vinyl Chloride	2.553	62	153199	53.107	ug/l	100
5) Bromomethane	2.989	94	81040	50.200	ug/l	92
6) Chloroethane	3.153	64	97432	52.288	ug/l	96
7) Trichlorofluoromethane	3.530	101	196353	52.096	ug/l	99
8) Diethyl Ether	3.983	74	82789	50.415	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.394	101	123329	52.082	ug/l	99
10) Methyl Iodide	4.618	142	108696	35.410	ug/l	97
11) Tert butyl alcohol	5.536	59	166122	210.527	ug/l	100
12) 1,1-Dichloroethene	4.365	96	125476	51.903	ug/l	94
13) Acrolein	4.206	56	40962	163.999	ug/l	99
14) Allyl chloride	5.047	41	180796	45.094	ug/l	95
15) Acrylonitrile	5.736	53	422547	229.103	ug/l	99
16) Acetone	4.441	43	378344	245.332	ug/l	97
17) Carbon Disulfide	4.736	76	361644	54.081	ug/l	100
18) Methyl Acetate	5.047	43	175895	39.139	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	427520	48.841	ug/l	100
20) Methylene Chloride	5.300	84	140573	48.688	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	135523	50.386	ug/l	92
22) Diisopropyl ether	6.688	45	385594	45.626	ug/l	95
23) Vinyl Acetate	6.618	43	1694540	237.318	ug/l	98
24) 1,1-Dichloroethane	6.583	63	239648	49.275	ug/l	97
25) 2-Butanone	7.488	43	531419	211.995	ug/l	94
26) 2,2-Dichloropropane	7.500	77	210034	55.517	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	159887	49.705	ug/l	98
28) Bromochloromethane	7.824	49	105918	44.293	ug/l	92
29) Tetrahydrofuran	7.847	42	345560	211.614	ug/l	95
30) Chloroform	7.977	83	234823	48.348	ug/l	99
31) Cyclohexane	8.265	56	213255	45.214	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	200791	48.606	ug/l	97
36) 1,1-Dichloropropene	8.377	75	176467	52.888	ug/l	99
37) Ethyl Acetate	7.571	43	200717	47.255	ug/l	99
38) Carbon Tetrachloride	8.371	117	170212	51.960	ug/l	98
39) Methylcyclohexane	9.606	83	206075	45.080	ug/l	95
40) Benzene	8.612	78	554750	50.844	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	105242	44.118	ug/l	93
42) 1,2-Dichloroethane	8.677	62	164239	49.628	ug/l	99
43) Isopropyl Acetate	8.694	43	308186	45.206	ug/l	95
44) Trichloroethene	9.359	130	138049	53.359	ug/l	99
45) 1,2-Dichloropropane	9.623	63	136071	51.261	ug/l	97
46) Dibromomethane	9.712	93	93780	53.189	ug/l	100
47) Bromodichloromethane	9.888	83	185449	51.121	ug/l	98
48) Methyl methacrylate	9.682	41	143772	45.820	ug/l	94
49) 1,4-Dioxane	9.706	88	54618	956.815	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	952300	232.037	ug/l	97
52) Toluene	10.629	92	344814	51.712	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	212676	52.430	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	228528	52.653	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	130864	51.005	ug/l	97
56) Ethyl methacrylate	10.876	69	218942	53.576	ug/l	93
57) 1,3-Dichloropropane	11.165	76	224646	50.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	571062	234.289	ug/l	98
59) 2-Hexanone	11.200	43	642002	242.852	ug/l	92
60) Dibromochloromethane	11.359	129	141610	52.974	ug/l	99
61) 1,2-Dibromoethane	11.470	107	137281	52.202	ug/l	99
64) Tetrachloroethene	11.106	164	107143	51.300	ug/l	96
65) Chlorobenzene	11.888	112	375806	51.632	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	121849	52.079	ug/l	98
67) Ethyl Benzene	11.965	91	637921	50.882	ug/l	99
68) m/p-Xylenes	12.070	106	503996	105.015	ug/l	99
69) o-Xylene	12.394	106	241725	52.589	ug/l	98
70) Styrene	12.412	104	416344	52.934	ug/l	99
71) Bromoform	12.576	173	95724	55.217	ug/l #	98
73) Isopropylbenzene	12.694	105	589954	49.378	ug/l	99
74) N-amyl acetate	12.512	43	185811	44.506	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	201817	49.861	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	169002m	43.352	ug/l	
77) Bromobenzene	12.976	156	145188	52.988	ug/l	96
78) n-propylbenzene	13.035	91	704268	48.505	ug/l	99
79) 2-Chlorotoluene	13.123	91	427130	49.053	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	489295	49.603	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	81640m	48.208	ug/l	
82) 4-Chlorotoluene	13.217	91	443322	50.317	ug/l	99
83) tert-Butylbenzene	13.435	119	411961	45.624	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	495408	50.084	ug/l	99
85) sec-Butylbenzene	13.611	105	590317	45.019	ug/l	100
86) p-Isopropyltoluene	13.729	119	502465	46.356	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	279631	51.871	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	282492	51.398	ug/l	99
89) n-Butylbenzene	14.053	91	437343	41.655	ug/l	99
90) Hexachloroethane	14.329	117	87508	47.628	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	264771	51.121	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	45316	46.814	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	147553	44.615	ug/l	99
94) Hexachlorobutadiene	15.500	225	44448	36.072	ug/l	97
95) Naphthalene	15.635	128	584462	47.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	141602	43.093	ug/l	99

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

