

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086502.D
 Acq On : 05 May 2025 21:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 06 01:49:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	202313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	370453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	339768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141698	48.300	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.600%		
35) Dibromofluoromethane	8.165	113	92607	53.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.720%		
50) Toluene-d8	10.565	98	449497	48.918	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.847	95	167747	50.050	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	107239	44.715	ug/l	98
3) Chloromethane	2.359	50	132812	38.104	ug/l	99
4) Vinyl Chloride	2.512	62	135615	40.772	ug/l	100
5) Bromomethane	2.947	94	74574	49.845	ug/l	97
6) Chloroethane	3.112	64	90170	40.506	ug/l	97
7) Trichlorofluoromethane	3.500	101	175648	47.674	ug/l	96
8) Diethyl Ether	3.959	74	70637	43.917	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	103196	46.301	ug/l	97
10) Methyl Iodide	4.589	142	132603	54.115	ug/l	99
11) Tert butyl alcohol	5.518	59	114869	214.595	ug/l	99
12) 1,1-Dichloroethene	4.341	96	107388	45.098	ug/l	100
13) Acrolein	4.177	56	59640	238.230	ug/l	95
14) Allyl chloride	5.024	41	154593	36.521	ug/l	94
15) Acrylonitrile	5.712	53	284189	214.768	ug/l	99
16) Acetone	4.424	43	234023	230.271	ug/l	99
17) Carbon Disulfide	4.712	76	267350	37.497	ug/l	99
18) Methyl Acetate	5.018	43	134707	38.252	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	391839	44.766	ug/l	100
20) Methylene Chloride	5.271	84	121906	44.948	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	114275	45.903	ug/l	91
22) Diisopropyl ether	6.671	45	383096	41.603	ug/l	97
23) Vinyl Acetate	6.600	43	1339281	208.055	ug/l	96
24) 1,1-Dichloroethane	6.565	63	215870	44.430	ug/l	98
25) 2-Butanone	7.477	43	379283	207.702	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166281	38.224	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	144543	46.780	ug/l	93
28) Bromochloromethane	7.812	49	85213	41.364	ug/l	85
29) Tetrahydrofuran	7.835	42	248902	203.831	ug/l	95
30) Chloroform	7.965	83	223833	46.897	ug/l	97
31) Cyclohexane	8.253	56	187682	39.476	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	198019	48.499	ug/l	98
36) 1,1-Dichloropropene	8.371	75	159831	46.543	ug/l	98
37) Ethyl Acetate	7.559	43	153334	42.411	ug/l	100
38) Carbon Tetrachloride	8.359	117	165921	50.735	ug/l	99
39) Methylcyclohexane	9.600	83	178245	43.669	ug/l	95
40) Benzene	8.606	78	506554	46.040	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	86559	41.310	ug/l	95
42) 1,2-Dichloroethane	8.671	62	168290	47.964	ug/l	99
43) Isopropyl Acetate	8.682	43	290081	44.509	ug/l	98
44) Trichloroethene	9.347	130	130467	50.029	ug/l	95
45) 1,2-Dichloropropane	9.618	63	121490	45.109	ug/l	98
46) Dibromomethane	9.706	93	85859	50.034	ug/l	95
47) Bromodichloromethane	9.882	83	179974	48.560	ug/l	98
48) Methyl methacrylate	9.676	41	131172	41.315	ug/l	94
49) 1,4-Dioxane	9.694	88	51927	961.530	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	813798	219.817	ug/l	98
52) Toluene	10.629	92	331888	48.343	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	192152	46.445	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	202231	44.504	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	122368	49.540	ug/l	97
56) Ethyl methacrylate	10.870	69	208462	45.913	ug/l	97
57) 1,3-Dichloropropane	11.159	76	209453	47.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	446658	207.265	ug/l	96
59) 2-Hexanone	11.194	43	596469	217.213	ug/l	98
60) Dibromochloromethane	11.359	129	139515	51.436	ug/l	100
61) 1,2-Dibromoethane	11.465	107	127862	51.301	ug/l	99
64) Tetrachloroethene	11.100	164	131048	50.142	ug/l	97
65) Chlorobenzene	11.888	112	364706	48.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	123568	49.399	ug/l	99
67) Ethyl Benzene	11.959	91	640133	46.784	ug/l	99
68) m/p-Xylenes	12.070	106	489813	95.538	ug/l	97
69) o-Xylene	12.394	106	242819	47.892	ug/l	97
70) Styrene	12.406	104	408274	48.328	ug/l	99
71) Bromoform	12.576	173	92789	49.269	ug/l #	99
73) Isopropylbenzene	12.694	105	599704	45.868	ug/l	99
74) N-amyl acetate	12.488	43	249368	38.312	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	165376	43.991	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	162332m	43.039	ug/l	
77) Bromobenzene	12.976	156	145398	50.190	ug/l	89
78) n-propylbenzene	13.029	91	694049	45.049	ug/l	99
79) 2-Chlorotoluene	13.123	91	433805	44.998	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	488365	45.637	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	69504	44.256	ug/l	87
82) 4-Chlorotoluene	13.217	91	432751	45.188	ug/l	98
83) tert-Butylbenzene	13.435	119	422819	45.600	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	502433	46.126	ug/l	100
85) sec-Butylbenzene	13.611	105	585714	45.541	ug/l	98
86) p-Isopropyltoluene	13.723	119	489078	46.135	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	262773	48.252	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	259907	47.383	ug/l	99
89) n-Butylbenzene	14.053	91	408933	43.520	ug/l	99
90) Hexachloroethane	14.329	117	81782	45.864	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	255151	48.325	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33122	43.697	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	121118	47.906	ug/l	99
94) Hexachlorobutadiene	15.500	225	43684	45.772	ug/l	99
95) Naphthalene	15.635	128	420461	46.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	112706	47.086	ug/l	99

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

