

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031925\
 Data File : VN086023.D
 Acq On : 19 Mar 2025 20:51
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2025
 Supervised By : Mahesh Dadoda 03/20/2025

Quant Time: Mar 20 01:39:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	170627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106265	45.481	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.960%		
35) Dibromofluoromethane	8.165	113	86241	45.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.320%		
50) Toluene-d8	10.565	98	322105	46.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.940%		
62) 4-Bromofluorobenzene	12.847	95	118432	47.914	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	102019	45.130	ug/l	99
3) Chloromethane	2.360	50	81949	41.352	ug/l	99
4) Vinyl Chloride	2.512	62	90313	44.571	ug/l	100
5) Bromomethane	2.954	94	56992	41.292	ug/l	94
6) Chloroethane	3.118	64	53398	41.773	ug/l	95
7) Trichlorofluoromethane	3.501	101	166249	45.641	ug/l	97
8) Diethyl Ether	3.959	74	50987	45.725	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	85199	44.010	ug/l	98
10) Methyl Iodide	4.589	142	121515	48.173	ug/l	92
11) Tert butyl alcohol	5.512	59	54886	165.918	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	85790	49.077	ug/l	95
13) Acrolein	4.177	56	74467	211.058	ug/l	95
14) Allyl chloride	5.030	41	98326	45.087	ug/l	98
15) Acrylonitrile	5.718	53	188019	215.212	ug/l	99
16) Acetone	4.418	43	135215	189.427	ug/l	100
17) Carbon Disulfide	4.712	76	248599	43.243	ug/l	97
18) Methyl Acetate	5.024	43	73803	41.789	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	274793	47.972	ug/l	98
20) Methylene Chloride	5.277	84	97204	46.549	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	90284	47.260	ug/l	94
22) Diisopropyl ether	6.671	45	236247	50.835	ug/l	98
23) Vinyl Acetate	6.600	43	860865	244.360	ug/l	100
24) 1,1-Dichloroethane	6.565	63	162012	47.408	ug/l	99
25) 2-Butanone	7.477	43	209967	203.854	ug/l	97
26) 2,2-Dichloropropane	7.489	77	137297	41.731	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	106373	49.000	ug/l	99
28) Bromochloromethane	7.812	49	65883	45.503	ug/l	100
29) Tetrahydrofuran	7.836	42	140300	220.640	ug/l	99
30) Chloroform	7.959	83	178693	47.307	ug/l	97
31) Cyclohexane	8.253	56	131500	45.169	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	172436	48.226	ug/l	99
36) 1,1-Dichloropropene	8.371	75	121559	48.341	ug/l	99
37) Ethyl Acetate	7.559	43	89270	42.080	ug/l	98
38) Carbon Tetrachloride	8.359	117	158666	47.989	ug/l	99
39) Methylcyclohexane	9.600	83	118134	47.351	ug/l	96
40) Benzene	8.606	78	383753	48.613	ug/l	99

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41) Methacrylonitrile	7.777	41	49977	49.336	ug/l	92
42) 1,2-Dichloroethane	8.671	62	128200	46.608	ug/l	100
43) Isopropyl Acetate	8.683	43	157128	34.180	ug/l	98
44) Trichloroethene	9.347	130	91724	44.832	ug/l	98
45) 1,2-Dichloropropane	9.618	63	88559	49.324	ug/l	99
46) Dibromomethane	9.706	93	66469	47.075	ug/l	100
47) Bromodichloromethane	9.883	83	142541	48.303	ug/l	97
48) Methyl methacrylate	9.677	41	71208	46.941	ug/l	99
49) 1,4-Dioxane	9.688	88	30237	843.183	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	459323	226.558	ug/l	100
52) Toluene	10.630	92	246917	50.964	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	137660	48.034	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	147619	48.820	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	89917	48.625	ug/l	97
56) Ethyl methacrylate	10.871	69	131555	46.299	ug/l	99
57) 1,3-Dichloropropane	11.159	76	151167	48.130	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	295138	264.177	ug/l	98
59) 2-Hexanone	11.194	43	333733	225.962	ug/l	98
60) Dibromochloromethane	11.359	129	117555	49.265	ug/l	99
61) 1,2-Dibromoethane	11.465	107	91220	48.051	ug/l	99
64) Tetrachloroethene	11.100	164	88300	44.618	ug/l	98
65) Chlorobenzene	11.888	112	265547	46.777	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	102449	48.547	ug/l	99
67) Ethyl Benzene	11.959	91	463101	50.997	ug/l	100
68) m/p-Xylenes	12.065	106	370768	103.879	ug/l	100
69) o-Xylene	12.394	106	173466	52.953	ug/l	100
70) Styrene	12.406	104	299643	53.553	ug/l	99
71) Bromoform	12.576	173	82002	46.483	ug/l #	99
73) Isopropylbenzene	12.694	105	432471	47.103	ug/l	99
74) N-amyl acetate	12.488	43	136517	44.442	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	126538	40.737	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	118163m	39.256	ug/l	
77) Bromobenzene	12.976	156	112674	44.011	ug/l	99
78) n-propylbenzene	13.035	91	516089	49.640	ug/l	99
79) 2-Chlorotoluene	13.124	91	332016	48.079	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	386831	49.902	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	44650m	39.217	ug/l	
82) 4-Chlorotoluene	13.218	91	333147	46.913	ug/l	99
83) tert-Butylbenzene	13.435	119	312967	47.206	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	394217	50.421	ug/l	99
85) sec-Butylbenzene	13.612	105	427207	49.395	ug/l	100
86) p-Isopropyltoluene	13.723	119	367016	50.130	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	210451	45.605	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	208303	42.963	ug/l	99
89) n-Butylbenzene	14.053	91	287064	48.149	ug/l	99
90) Hexachloroethane	14.329	117	74747	44.246	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	204103	44.492	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25461	41.063	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	97082	42.088	ug/l	99
94) Hexachlorobutadiene	15.500	225	51155	38.226	ug/l	99
95) Naphthalene	15.635	128	267986	40.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	95632	43.693	ug/l	99

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

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