

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051325\
 Data File : VN086590.D
 Acq On : 13 May 2025 10:22
 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 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:52 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	180664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	321780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	291949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	123263	47.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.100%			
35) Dibromofluoromethane	8.165	113	94869	63.525	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 127.040%#			
50) Toluene-d8	10.565	98	390823	48.966	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.847	95	145630	50.024	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.040%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	118544	55.352	ug/l	99
3) Chloromethane	2.359	50	149228	47.944	ug/l	98
4) Vinyl Chloride	2.512	62	148423	49.970	ug/l	99
5) Bromomethane	2.947	94	80207	60.034	ug/l	100
6) Chloroethane	3.118	64	97793	49.194	ug/l	98
7) Trichlorofluoromethane	3.500	101	177073	53.820	ug/l	98
8) Diethyl Ether	3.959	74	70006	48.740	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	109602	55.068	ug/l	98
10) Methyl Iodide	4.588	142	121528	55.538	ug/l	99
11) Tert butyl alcohol	5.518	59	103978	217.526	ug/l	100
12) 1,1-Dichloroethene	4.341	96	107150	50.390	ug/l	99
13) Acrolein	4.171	56	81510	373.121	ug/l	96
14) Allyl chloride	5.024	41	160333	42.415	ug/l	95
15) Acrylonitrile	5.712	53	280859	237.685	ug/l	99
16) Acetone	4.424	43	223933	247.164	ug/l	97
17) Carbon Disulfide	4.712	76	301070	47.286	ug/l	98
18) Methyl Acetate	5.018	43	123419	39.246	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	377155	48.251	ug/l	99
20) Methylene Chloride	5.271	84	123413	50.956	ug/l	96
21) trans-1,2-Dichloroethene	5.782	96	115994	52.177	ug/l	96
22) Diisopropyl ether	6.665	45	385949	46.935	ug/l	97
23) Vinyl Acetate	6.600	43	1416774	246.467	ug/l	98
24) 1,1-Dichloroethane	6.565	63	215531	49.676	ug/l	97
25) 2-Butanone	7.476	43	365833	224.343	ug/l	97
26) 2,2-Dichloropropane	7.488	77	196663	50.625	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	141574	51.309	ug/l	96
28) Bromochloromethane	7.812	49	83480	45.378	ug/l	91
29) Tetrahydrofuran	7.835	42	240945	220.959	ug/l	96
30) Chloroform	7.959	83	221886	52.060	ug/l	100
31) Cyclohexane	8.253	56	192228	45.277	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	188885	51.806	ug/l	99
36) 1,1-Dichloropropene	8.365	75	159947	53.622	ug/l	98
37) Ethyl Acetate	7.559	43	148215	47.197	ug/l	100
38) Carbon Tetrachloride	8.359	117	160030	56.336	ug/l	99
39) Methylcyclohexane	9.600	83	181616	51.225	ug/l	97
40) Benzene	8.600	78	507568	53.110	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	89732	49.302	ug/l	98
42) 1,2-Dichloroethane	8.671	62	160085	52.527	ug/l	100
43) Isopropyl Acetate	8.682	43	291717	52.065	ug/l	100
44) Trichloroethene	9.347	130	124298	54.873	ug/l	96
45) 1,2-Dichloropropane	9.618	63	121128	51.778	ug/l	98
46) Dibromomethane	9.706	93	83703	56.156	ug/l	96
47) Bromodichloromethane	9.882	83	175859	54.627	ug/l	95
48) Methyl methacrylate	9.676	41	125914	45.658	ug/l	96
49) 1,4-Dioxane	9.694	88	45626	972.649	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	770949	239.742	ug/l	98
52) Toluene	10.629	92	326096	54.684	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	193890	53.954	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	205442	52.050	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	116643	54.366	ug/l	97
56) Ethyl methacrylate	10.870	69	198633	50.366	ug/l	97
57) 1,3-Dichloropropane	11.159	76	204284	53.665	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	392988	209.944	ug/l	97
59) 2-Hexanone	11.194	43	562016	235.625	ug/l	98
60) Dibromochloromethane	11.353	129	131974	56.016	ug/l	100
61) 1,2-Dibromoethane	11.464	107	119680	55.282	ug/l	99
64) Tetrachloroethene	11.100	164	120431	53.627	ug/l	99
65) Chlorobenzene	11.888	112	354057	54.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	117885	54.846	ug/l	99
67) Ethyl Benzene	11.959	91	619144	52.662	ug/l	98
68) m/p-Xylenes	12.064	106	479857	108.927	ug/l	97
69) o-Xylene	12.394	106	234813	53.898	ug/l	98
70) Styrene	12.406	104	397010	54.692	ug/l	99
71) Bromoform	12.576	173	87840	54.280	ug/l #	99
73) Isopropylbenzene	12.694	105	575362	49.271	ug/l	99
74) N-amyl acetate	12.488	43	241348	41.516	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	166124	49.477	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	154633m	45.902	ug/l	
77) Bromobenzene	12.976	156	136368	52.704	ug/l	93
78) n-propylbenzene	13.029	91	681419	49.520	ug/l	100
79) 2-Chlorotoluene	13.123	91	426901	49.579	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	477918	50.004	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	64286m	45.830	ug/l	
82) 4-Chlorotoluene	13.217	91	427674	50.001	ug/l	99
83) tert-Butylbenzene	13.435	119	400971	48.418	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	486107	49.966	ug/l	99
85) sec-Butylbenzene	13.611	105	571783	49.776	ug/l	99
86) p-Isopropyltoluene	13.723	119	482406	50.950	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	257957	53.034	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	257564	52.574	ug/l	98
89) n-Butylbenzene	14.053	91	416910	49.677	ug/l	99
90) Hexachloroethane	14.329	117	81133	50.944	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	246513	52.274	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31363	46.326	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	119164	52.772	ug/l	99
94) Hexachlorobutadiene	15.499	225	43819	51.406	ug/l	98
95) Naphthalene	15.635	128	387786	48.445	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	110577	51.724	ug/l	99

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

