

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086277.D
 Acq On : 15 Apr 2025 11:29
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Apr 16 03:54:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	218868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	2651	1.022	ug/l	95
3) Chloromethane	2.360	50	4871	1.292	ug/l	93
4) Vinyl Chloride	2.518	62	3928	1.092	ug/l	94
6) Chloroethane	3.124	64	2846	1.182	ug/l #	86
7) Trichlorofluoromethane	3.495	101	4327	1.086	ug/l #	79
8) Diethyl Ether	3.965	74	1853	1.065	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	2525	1.047	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	2890	1.122	ug/l	97
14) Allyl chloride	5.018	41	5821	1.272	ug/l	94
15) Acrylonitrile	5.730	53	7256	5.069	ug/l	100
16) Acetone	4.430	43	9264m	2.774	ug/l	
17) Carbon Disulfide	4.706	76	10177	1.319	ug/l	97
18) Methyl Acetate	5.024	43	4481	1.176	ug/l	92
19) Methyl tert-butyl Ether	5.789	73	10847	1.145	ug/l #	91
20) Methylene Chloride	5.271	84	3423	1.167	ug/l #	94
21) trans-1,2-Dichloroethene	5.783	96	3079	1.143	ug/l #	84
22) Diisopropyl ether	6.665	45	11644	1.169	ug/l	98
23) Vinyl Acetate	6.606	43	38143	5.479	ug/l	96
24) 1,1-Dichloroethane	6.565	63	5756	1.095	ug/l #	85
25) 2-Butanone	7.489	43	11026	5.581	ug/l	99
26) 2,2-Dichloropropane	7.494	77	5139	1.092	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	3859	1.154	ug/l	90
28) Bromochloromethane	7.800	49	2387	1.071	ug/l #	92
29) Tetrahydrofuran	7.841	42	7367	5.577	ug/l	93
30) Chloroform	7.959	83	5771	1.118	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	4792	1.085	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	4123	1.099	ug/l	94
37) Ethyl Acetate	7.559	43	4732	1.198	ug/l #	91
38) Carbon Tetrachloride	8.359	117	3808	1.066	ug/l	100
39) Methylcyclohexane	9.594	83	4950	1.110	ug/l	96
40) Benzene	8.606	78	13340	1.110	ug/l	97
41) Methacrylonitrile	7.765	41	2651	1.158	ug/l #	94
42) 1,2-Dichloroethane	8.665	62	4258	1.111	ug/l	96
43) Isopropyl Acetate	8.683	43	17444	0.619	ug/l #	75
44) Trichloroethene	9.353	130	3157	1.108	ug/l	87
45) 1,2-Dichloropropane	9.612	63	3063	1.041	ug/l #	86

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Reviewed By :John Carlone 04/16/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1891	1.009	ug/l	91
47) Bromodichloromethane	9.888	83	4302	1.062	ug/l #	97
48) Methyl methacrylate	9.683	41	4185	1.206	ug/l	94
49) 1,4-Dioxane	9.688	88	1477	25.032	ug/l #	76
51) 4-Methyl-2-Pentanone	10.441	43	21143	5.227	ug/l	98
52) Toluene	10.624	92	8120	1.083	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	4663	1.032	ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	5497	1.107	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	2967	1.099	ug/l	93
56) Ethyl methacrylate	10.871	69	5409	1.090	ug/l	90
57) 1,3-Dichloropropane	11.159	76	5091	1.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	11885	5.048	ug/l	97
59) 2-Hexanone	11.194	43	15945	5.315	ug/l	98
60) Dibromochloromethane	11.353	129	3054	1.031	ug/l	96
61) 1,2-Dibromoethane	11.465	107	2908	1.068	ug/l	90
64) Tetrachloroethene	11.106	164	2864	1.090	ug/l	95
65) Chlorobenzene	11.882	112	8440	1.107	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2734	1.087	ug/l #	62
67) Ethyl Benzene	11.959	91	15099	1.097	ug/l	96
68) m/p-Xylenes	12.071	106	11055	2.144	ug/l	98
69) o-Xylene	12.394	106	5408	1.061	ug/l	97
70) Styrene	12.406	104	8925	1.051	ug/l	96
71) Bromoform	12.576	173	2089	1.103	ug/l #	80
73) Isopropylbenzene	12.694	105	13542	1.141	ug/l	98
74) N-amyl acetate	12.494	43	7807	1.321	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3910	1.145	ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	4407m	1.293	ug/l	
77) Bromobenzene	12.982	156	2811	1.069	ug/l	90
78) n-propylbenzene	13.029	91	15576	1.113	ug/l	98
79) 2-Chlorotoluene	13.124	91	9804	1.120	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	11029	1.135	ug/l	99
82) 4-Chlorotoluene	13.218	91	9589	1.103	ug/l	98
83) tert-Butylbenzene	13.435	119	9817	1.166	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	10977	1.110	ug/l	96
85) sec-Butylbenzene	13.612	105	12920	1.106	ug/l	98
86) p-Isopropyltoluene	13.729	119	10458	1.086	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	5415	1.095	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	5636m	1.132	ug/l	
89) n-Butylbenzene	14.053	91	9315	1.092	ug/l	99
90) Hexachloroethane	14.329	117	1792	1.107	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	5279	1.101	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	679	0.987	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	2387	1.040	ug/l	93
94) Hexachlorobutadiene	15.494	225	893	1.030	ug/l	78
95) Naphthalene	15.641	128	8743	1.074	ug/l	97
96) 1,2,3-Trichlorobenzene	15.829	180	2378	1.094	ug/l	91

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

Manual Integrations

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