

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
 Data File : VN087239.D
 Acq On : 30 Jun 2025 13:26
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/01/2025
 Supervised By : Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:51:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:39:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	130832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	217914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	198493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	8576	5.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.440%#		
35) Dibromofluoromethane	8.171	113	6811	4.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.760%#		
50) Toluene-d8	10.565	98	24770	4.554	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.100%#		
62) 4-Bromofluorobenzene	12.847	95	8493	4.389	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.780%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	5877	4.616	ug/l	98
3) Chloromethane	2.395	50	4888	4.728	ug/l #	80
4) Vinyl Chloride	2.554	62	6432	5.060	ug/l	92
5) Bromomethane	2.983	94	5807	5.006	ug/l	85
6) Chloroethane	3.148	64	5010	4.976	ug/l #	85
7) Trichlorofluoromethane	3.530	101	11176	5.067	ug/l	91
8) Diethyl Ether	3.989	74	3700	5.257	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.395	101	6560	5.123	ug/l	95
10) Methyl Iodide	4.618	142	4343	3.418	ug/l #	88
11) Tert butyl alcohol	5.547	59	7145	23.876	ug/l #	86
12) 1,1-Dichloroethene	4.359	96	5888	4.840	ug/l	84
13) Acrolein	4.201	56	4647	22.420	ug/l	91
14) Allyl chloride	5.048	41	7376	4.947	ug/l	97
15) Acrylonitrile	5.736	53	18189	24.466	ug/l	94
16) Acetone	4.442	43	15512	24.710	ug/l	90
17) Carbon Disulfide	4.742	76	18128	4.967	ug/l #	95
18) Methyl Acetate	5.042	43	7085	4.930	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	20253	4.750	ug/l	95
20) Methylene Chloride	5.300	84	7222	5.193	ug/l #	94
21) trans-1,2-Dichloroethene	5.806	96	7219	4.911	ug/l #	79
22) Diisopropyl ether	6.683	45	16810	4.709	ug/l	97
23) Vinyl Acetate	6.618	43	74911	22.691	ug/l	97
24) 1,1-Dichloroethane	6.583	63	11739	5.019	ug/l #	90
25) 2-Butanone	7.494	43	23187	23.635	ug/l	99
26) 2,2-Dichloropropane	7.494	77	11168	4.990	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	8016	4.722	ug/l	98
28) Bromochloromethane	7.818	49	5191	5.028	ug/l #	99
29) Tetrahydrofuran	7.847	42	14321	22.653	ug/l	99
30) Chloroform	7.977	83	12926	4.986	ug/l	99
31) Cyclohexane	8.259	56	12851	5.747	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	12021	4.979	ug/l #	52
36) 1,1-Dichloropropene	8.377	75	8686	4.578	ug/l	96
37) Ethyl Acetate	7.577	43	9226	4.523	ug/l #	77
38) Carbon Tetrachloride	8.365	117	10388	4.831	ug/l	98
39) Methylcyclohexane	9.600	83	10082	4.462	ug/l	93
40) Benzene	8.612	78	27665	4.706	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	4482	4.596	ug/l	96
42) 1,2-Dichloroethane	8.671	62	9527	4.873	ug/l	99
43) Isopropyl Acetate	8.688	43	14551	4.600	ug/l	99
44) Trichloroethene	9.353	130	7916	5.068	ug/l	99
45) 1,2-Dichloropropane	9.624	63	5993	4.676	ug/l	100
46) Dibromomethane	9.712	93	5096	4.674	ug/l	95
47) Bromodichloromethane	9.888	83	10653	5.123	ug/l	98
48) Methyl methacrylate	9.688	41	5910	4.433	ug/l	91
49) 1,4-Dioxane	9.706	88	2216	95.176	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	41051	21.210	ug/l	91
52) Toluene	10.630	92	17699	4.591	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	10159	4.555	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	10766	4.737	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	7205	4.947	ug/l	90
56) Ethyl methacrylate	10.894	69	7424m	3.479	ug/l	
57) 1,3-Dichloropropane	11.165	76	11429	4.808	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	25452	22.570	ug/l	100
59) 2-Hexanone	11.229	43	29253m	21.538	ug/l	
60) Dibromochloromethane	11.353	129	8203	4.778	ug/l	98
61) 1,2-Dibromoethane	11.471	107	7413	4.732	ug/l	94
64) Tetrachloroethene	11.100	164	6463	4.883	ug/l	91
65) Chlorobenzene	11.888	112	21485	4.824	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	7339	4.772	ug/l	98
67) Ethyl Benzene	11.965	91	32924	4.568	ug/l	100
68) m/p-Xylenes	12.071	106	26022	9.037	ug/l	96
69) o-Xylene	12.394	106	12410	4.607	ug/l	93
70) Styrene	12.412	104	19413	4.241	ug/l	97
71) Bromoform	12.582	173	5728	4.828	ug/l #	94
73) Isopropylbenzene	12.694	105	29505	4.491	ug/l	99
74) N-amyl acetate	12.629	43	10406m	4.683	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	10690	4.947	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	10355m	5.296	ug/l	
77) Bromobenzene	12.982	156	8392	4.894	ug/l	95
78) n-propylbenzene	13.035	91	36288	4.573	ug/l	99
79) 2-Chlorotoluene	13.123	91	21914	4.640	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	25170	4.584	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	3590	4.348	ug/l	98
82) 4-Chlorotoluene	13.218	91	22736	4.599	ug/l	99
83) tert-Butylbenzene	13.435	119	23030	4.787	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	24274	4.413	ug/l	95
85) sec-Butylbenzene	13.612	105	31033	4.551	ug/l	98
86) p-Isopropyltoluene	13.729	119	25785	4.399	ug/l	96
87) 1,3-Dichlorobenzene	13.729	146	16437	4.813	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	17485	4.903	ug/l	92
89) n-Butylbenzene	14.053	91	22888	4.435	ug/l	98
90) Hexachloroethane	14.329	117	5632	5.191	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	15614	4.889	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	2405	4.631	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	9076	4.805	ug/l	98
94) Hexachlorobutadiene	15.500	225	2862	4.770	ug/l	96
95) Naphthalene	15.635	128	28795	4.407	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	8548	4.646	ug/l	97

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

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