

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086670.D
 Acq On : 16 May 2025 16:55
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: May 17 00:12:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	199484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	363475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	14329	4.989	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.980%#		
35) Dibromofluoromethane	8.159	113	10911	6.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	12.060%#		
50) Toluene-d8	10.565	98	43744	4.852	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.700%#		
62) 4-Bromofluorobenzene	12.847	95	14966	4.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.140%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9487	4.002	ug/l	98
3) Chloromethane	2.359	50	15910	4.605	ug/l	93
4) Vinyl Chloride	2.512	62	14120	4.338	ug/l	91
5) Bromomethane	2.942	94	8815	5.827	ug/l	95
6) Chloroethane	3.118	64	9752	4.490	ug/l	94
7) Trichlorofluoromethane	3.494	101	17692	4.855	ug/l	94
8) Diethyl Ether	3.953	74	7321	4.643	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	10672	4.852	ug/l	98
10) Methyl Iodide	4.583	142	11863	4.827	ug/l	91
11) Tert butyl alcohol	5.524	59	12572	23.903	ug/l #	86
12) 1,1-Dichloroethene	4.341	96	11235	4.790	ug/l	93
13) Acrolein	4.177	56	14380	40.124	ug/l	97
14) Allyl chloride	5.024	41	16060	3.913	ug/l	98
15) Acrylonitrile	5.718	53	30877	23.738	ug/l	99
16) Acetone	4.424	43	25108	21.808	ug/l	94
17) Carbon Disulfide	4.712	76	29733	4.235	ug/l	99
18) Methyl Acetate	5.024	43	14135	4.165	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	37422	4.369	ug/l	96
20) Methylene Chloride	5.271	84	13630	5.082	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	11984	4.879	ug/l	90
22) Diisopropyl ether	6.665	45	38431	4.292	ug/l	97
23) Vinyl Acetate	6.600	43	136818m	21.613	ug/l	
24) 1,1-Dichloroethane	6.565	63	22481	4.714	ug/l	97
25) 2-Butanone	7.482	43	40273	22.565	ug/l	99
26) 2,2-Dichloropropane	7.488	77	18472	4.369	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	14376	4.720	ug/l	97
28) Bromochloromethane	7.812	49	10493	5.145	ug/l #	100
29) Tetrahydrofuran	7.841	42	25661	21.506	ug/l	100
30) Chloroform	7.959	83	22851	4.863	ug/l	98
31) Cyclohexane	8.253	56	22050	4.771	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	18669	4.640	ug/l	91
36) 1,1-Dichloropropene	8.365	75	15893	4.729	ug/l	99
37) Ethyl Acetate	7.559	43	16573m	4.689	ug/l	
38) Carbon Tetrachloride	8.359	117	15908	4.944	ug/l	90
39) Methylcyclohexane	9.600	83	16719	4.228	ug/l	91
40) Benzene	8.606	78	51932	4.814	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	8791	4.338	ug/l	94
42) 1,2-Dichloroethane	8.665	62	16621	4.839	ug/l	99
43) Isopropyl Acetate	8.682	43	34745	4.117	ug/l #	91
44) Trichloroethene	9.353	130	12394	4.833	ug/l	92
45) 1,2-Dichloropropane	9.618	63	12252	4.665	ug/l	94
46) Dibromomethane	9.706	93	8214	4.876	ug/l	97
47) Bromodichloromethane	9.888	83	17028	4.689	ug/l	100
48) Methyl methacrylate	9.676	41	12296	4.016	ug/l	96
49) 1,4-Dioxane	9.688	88	5357	98.922	ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	81358	22.646	ug/l	99
52) Toluene	10.629	92	32634	4.849	ug/l	97
53) t-1,3-Dichloropropene	10.829	75	17545	4.365	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	19516	4.414	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	12277	5.058	ug/l	94
56) Ethyl methacrylate	10.870	69	18350	4.144	ug/l	97
57) 1,3-Dichloropropane	11.159	76	21342	4.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	41611	20.009	ug/l	99
59) 2-Hexanone	11.194	43	57606	21.598	ug/l	98
60) Dibromochloromethane	11.359	129	12131	4.568	ug/l	100
61) 1,2-Dibromoethane	11.465	107	12079	4.917	ug/l	98
64) Tetrachloroethene	11.100	164	12989	5.155	ug/l	97
65) Chlorobenzene	11.888	112	36442	4.975	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	11341	4.696	ug/l	98
67) Ethyl Benzene	11.959	91	60213	4.582	ug/l	99
68) m/p-Xylenes	12.070	106	46152	9.352	ug/l	99
69) o-Xylene	12.394	106	22829	4.659	ug/l	100
70) Styrene	12.406	104	36686	4.513	ug/l	99
71) Bromoform	12.576	173	7950	4.376	ug/l #	98
73) Isopropylbenzene	12.694	105	53004	4.698	ug/l	99
74) N-amyl acetate	12.488	43	22422	4.051	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	17395	5.308	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	14523m	4.438	ug/l	
77) Bromobenzene	12.976	156	13253	5.241	ug/l	99
78) n-propylbenzene	13.029	91	59767	4.507	ug/l	99
79) 2-Chlorotoluene	13.123	91	40497	4.856	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	42383	4.589	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.729	75	5413	3.983	ug/l	92
82) 4-Chlorotoluene	13.217	91	38730	4.691	ug/l	99
83) tert-Butylbenzene	13.435	119	36669	4.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	41716	4.445	ug/l	98
85) sec-Butylbenzene	13.611	105	48868	4.426	ug/l	99
86) p-Isopropyltoluene	13.723	119	39399	4.330	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	23834	5.037	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	23246	4.889	ug/l	93
89) n-Butylbenzene	14.053	91	31605	3.957	ug/l	98
90) Hexachloroethane	14.329	117	6569	4.292	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	22033	4.803	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2855	4.399	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	8745	4.045	ug/l	98
94) Hexachlorobutadiene	15.494	225	3892	4.737	ug/l	94
95) Naphthalene	15.641	128	29507	3.845	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	8499	4.134	ug/l	100

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VSTDICC005

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

